



DISCOVER THE WORLD OF DIAMOND TOOLS

A detailed photograph of a diamond tool cutting through a material, likely concrete or stone. The tool, which has a dense array of diamond bits, is shown in the upper right, creating a large, textured chip of material. The background is dark and industrial. A large, bright yellow 'V' shape is overlaid on the lower left and center of the image, partially obscuring the background.

CUTTING

XIAMEN JOY TECHNOLOG CO., LTD.

03

TECHNOLOGY



PDA^{PRO}

The innovative patterned diamond arraying technology distributes particles precisely in 3D patterns



V-TechTM

V-Tech is a brand new diamond tools manufacturing know-how, developed on the basis of, yet far more innovative than, vacuum brazing technology.



Titan⁷²³TM

An innovative bond formulation developed on the basis of the advanced alloying technology for professional laser core bits, focusing the heavy duty reinforced concrete coring.



Titan⁶¹⁰TM

The latest bond formulation developed on the basis of the advanced alloying technology.

R-silent^{1x}

A new generation of noise-reduced steel cores which have heat resistant rubber pressed into slots to absorb the vibration.



UV Printing

The latest Eco-friendly full color painting technology makes diamond blades as beautiful as you imagine.



ALWAYS WEAR SAFETY
& PROTECTIVE GEAR



JOY TECHNOLOGY

04

ARROW®

Series supreme laser blades

The original ARROW turbo segments in brand new bond provides a unique solution of smoothly cutting.



Series supreme laser blades

Swordfish is not a real fish but a real fast cutting blade.



The trademark of a range of quality blades for USC porcelain cutting.



Series concrete grinding products

The reliable and sufficient solutions for floor preparation



ALWAYS WEAR SAFETY
& PROTECTIVE GEAR

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Porcelain Tiles

Ceramic Tiles, Glass,



ALWAYS WEAR SAFETY
& PROTECTIVE GEAR

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V-Tech™

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 Oscillating & Reciprocating Blades
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 Drill Bits, Accessories, Tool Kits
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Reinforced Concrete
 Granite

90



ALWAYS WEAR SAFETY
 & PROTECTIVE GEAR

How to Choose a Proper Diamond blade?

What is the Cutting Material?

- Cured Concrete (hardness, aggregate, steel bar)?
- Fresh Concrete? (<48 hrs cured), Asphalt or other Abrasive Materials?
- Granite, Marble, Artificial stone or Porcelain tiles?
- Metal and Steels?
- Or other materials?



What is the Cutting Method?

- With or without sufficient water coolant?
- Cut-off, Cut through or Chase?
- Single or Multiple cutting?



What kind of Saws will be used?

- Power cutter?
- Table saw?
- Walk behind saw? (Low or high power.)
- Wall saw?
- Bridge saw?
- Portable saw?



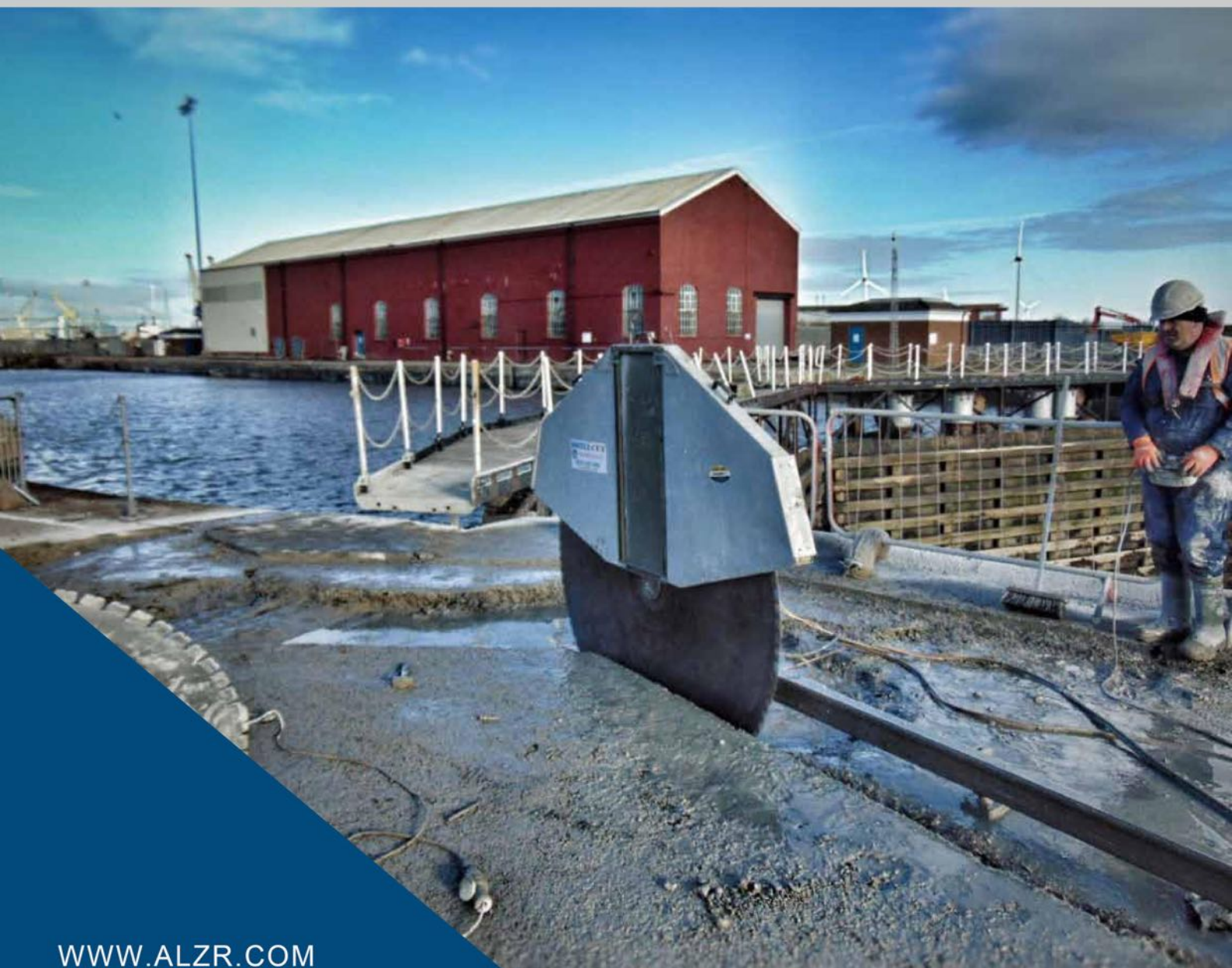
How Deep is the Cut?

- Use proper blade diameter for depth required.



Professional Road Saw Blades

THE GLOBAL CUTTER S WAY

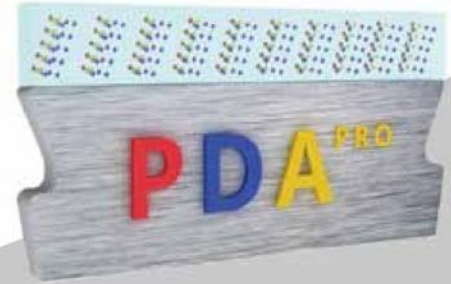


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WHAT IS PDA^{PRO} ?

PDA^{PRO} is Innovative Diamond Arraying Technology distributing diamonds particles precisely in 3D- patterns to maximize the utilization of diamonds.

Through optimizing diamonds arraying structure and matrix formulation, **PDA^{PRO}** has become the most advanced technology in bringing diamond tools with more efficiency, durability and stability.



PDA^{PRO}

Compared with the original pattern diamond arraying technology, PDA PRO provides:

- Better cutting speed
- Longer cutting life span
- Lower noise
- Fewer vibration

Professional Road Saw Blades

Cured Concrete

Products for Specialized Contractors in Road & Floor cutting.

PDA^{PRO}

LW-PDA

Product Code	Diameter (mm)	Diameter (inch)	Height (mm)	Length (mm)	Thickness(mm)
LW350-PDA	350	14"	12	40	3.2
LW400-PDA	400	16"	12	40	3.5
LW450-PDA	450	18"	12	40	3.5/4.0
LW500-PDA	500	20"	12	40	3.5/4.0/4.5
LW550-PDA	550	22"	12	40	3.5/4.0/4.5
LW600-PDA	600	24"	12	40	4.0/4.5/4.7
LW650-PDA	650	26"	12	40	4.0/4.5/4.7
LW750-PDA	750	30"	12	40	4.0/4.5/4.7
LW800-PDA	800	32"	12	40	4.0/4.5/4.7
LW900-PDA	900	36"	12	40	4.0/4.5/4.7
LW1000-PDA	1000	42"	12	40	4.0/4.5/4.7
LW1200-PDA	1200	48"	12	40	4.0/4.5/4.7

Laser Welded blades for the heavy duty cutting on Highway, Bridge, Roads, Floors and Municipal constructions.

PDA^{PRO} guarantees the consistent fast and durable cutting to maximize the outcome of work.



PDA^{PRO}

LWCDS-PDA

Product Code	Diameter (mm)	Diameter (inch)	Height (mm)	Length (mm)	Thickness(mm)
LWCDS350-PDA	350	14"	12	24	3.5
LWCDS400-PDA	400	16"	12	24	3.5
LWCDS450-PDA	450	18"	12	24	4.0
LWCDS500-PDA	500	20"	12	24	3.5/4.0/4.2
LWCDS550-PDA	550	22"	12	24	3.5/4.0/4.2
LWCDS600-PDA	600	24"	12	24	3.5/4.0
LWCDS650-PDA	650	26"	12	24	4.0/4.2
LWCDS750-PDA	750	30"	12	24	4.0
LWSFUDS800-PDA	800	32"	12	24	4.0/4.5/4.7
LWSFUDS900-PDA	900	36"	12	24	4.0/4.5/4.7
LWSFUDS1000-PDA	1000	42"	12	24	4.0/4.5/4.7
LWSFUDS1200-PDA	1200	48"	12	24	4.0/4.5/4.7

Recommended for the professional cutting with sufficient water coolant.



General Application Instruction:



Machine Power	Powered by	Blades Diameter	Recommended bond #	
			Premium*	Professional**
<25KW	Electric, petro	350-1000 mm	LW440	PDA633
25-60 KW	Petro, Diesel	350-1500 mm	P864	PDA632

*Premium quality products are suitable for C10-C45 grade cured concrete with medium hard aggregates like limestone, sandstone, soft granite.

**Professional quality products are suitable for C30-C120 grade cured concrete with hard aggregates like flint, quartz, and hard granite, basalt.

Professional Road Saw Blades

NEW



Cured Concrete



LWC-3V

Product Code	Diameter (mm)	Diameter (inch)	Height (mm)	Thickness (mm)
LWC-1-350-3V	350	14"	12/14	3.2/3.4/4.7/6.35
LWC-1-400-3V	400	16"	12/14	3.2/3.4/4.0
LWC-1-450-3V	450	18"	12/14	3.2/3.4/4.0
LWC-1-500-3V	500	20"	12/14	3.2/3.4/4.0
LWC-1-550-3V	550	22"	12/14	3.2/3.4/4.0
LWC-1-600-3V	600	24"	12/14	3.2/3.4/4.0
LWC-1-650-3V	650	26"	12/14	4.0
LWC-1-750-3V	750	30"	12/14	4.0

The special V-topped segments made of the latest metal powder pre-alloying technology.

14 mm designed for the fastest, most aggressive cutting in medium to hard aggregates and longer cutting life.

Recommended for the professional cutting with sufficient water coolant.



LWC-1

Product Code	Diameter (mm)	Diameter (inch)	Height (mm)	Thickness (mm)
LWC-1-350	350	14"	10/12	3.4/4.0/4.7/6.35
LWC-1-400	400	16"	10/12	3.4/4.0/4.7/6.35
LWC-1-450	450	18"	10/12	3.4/4.0/4.7/6.35
LWC-1-500	500	20"	10/12	3.4/4.0/4.7/6.35
LWC-1-550	550	22"	10/12	3.4/4.0/4.7/6.35
LWC-1-600	600	24"	10/12	3.4/4.0/4.7/6.35
LWC-1-650	650	26"	10/12	3.6/4.0/4.7/5.4/6.35
LWC-1-750	750	30"	10/12	4.0/4.2/4.7/5.4/6.35
LWC-1-800	800	32"	10/12	4.5/4.7
LWC-1-900	900	36"	10/12	4.7/5.4
LWC-1-1000	1000	42"	10/12	4.5/4.7
LWC-1-1200	1200	48"	10/12	4.7/5.4

Laser Welded blades for the heavy duty cutting on Highway, Bridge, Roads, Floors and Municipal constructions.

Recommended for the professional cutting with sufficient water coolant.

General Application Instruction:



Machine Power	Powered by	Blades Diameter	Recommended bond #	
			Premium*	Professional**
<25KW	Electric, petro	350-1000 mm	LW440	PDA633
25-60 KW	Petro, Diesel	350-1500 mm	P864	PDA632

*Premium quality products are suitable for C10-C45 grade cured concrete with medium hard aggregates like limestone, sandstone, soft granite.

**Professional quality products are suitable for C30-C120 grade cured concrete with hard aggregates like flint, quartz, and hard granite, basalt.

Professional Road Saw Blades

Asphalt



PDA^{PRO}

LWPU-PDA-TC

Product Code	Diameter (mm)	Diameter (inch)	Height (mm)	Thickness (mm)
LWPU350-12TC-PDA	374	14"	12	4.0
LWPU400-14TC-PDA	424	16"	12	4.0
LWPU450-16TC-PDA	450	18"	12	4.0
LWPU500-17TC-PDA	500/524	20"	12	4.0
LWPU600-21TC-PDA	610/628	24"	12	4.0
LWPU650-22TC-PDA	650/678	26"	12	4.0
LWPU750-27TC-PDA	780	30"	12	4.0
LWPU900-32TC-PDA	932	36"	12	4.7



PDA^{PRO} guarantees the consistent fast and durable cutting. Multiple bond options fulfill all kinds of asphalt cutting with different aggregates.

Laser Welded segments with gullets protection avoid undercutting.

Recommended for the professional cutting with sufficient water coolant.



LWA-2

Product Code	Diameter (mm)	Diameter (inch)	Height (mm)	Thickness (mm)
LWA-2-350	350	14"	12/14	3.4/4.0
LWA-2-400	400	16"	12/14	3.4/4.0
LWA-2-450	450	18"	12/14	3.4/4.0
LWA-2-500	500	20"	12/14	3.4/4.0/4.2
LWA-2-600	600	24"	12/14	4.0/4.2/4.7
LWA-2-650	650	26"	12/14	4.0/4.2/4.7
LWA-2-750	750	30"	12/14	4.0/4.2/4.7
LWA-2-800	800	32"	12/14	4.5
LWA-2-900	900	36"	12/14	4.2/4.7
LWA-2-1000	1050	42"	12/14	4.5
LWA-2-1200	1200	48"	12/14	4.7

Laser Welded blades with 12 mm or 14 mm segments for the professional cutting of asphalt.

Advanced metal powder alloying technology plus high diamond concentration guarantees the exceptional performance.

Recommended for the professional cutting with sufficient water coolant.

Application Instruction:



Machine Power	Powered by	Blades Diameter	Recommended bond #	
			Premium*	Professional**
<25 KW	Electric, Petro	350-1000 mm	LW350	PDA660
25-60 KW	Petro, Diesel	350-1500 mm	LW760	PDA665
*Premium products are suitable for asphalt or fresh concrete.				
**Professional products are suitable for asphalt and fresh concrete with hard aggregates in a better life.				

Early Entry Blades



LW-TAH

Product Code	Diameter (mm)	Height (mm)
LW150-TAH	150	10
LW200-TAH	200	10
LW250-TAH	250	10
LW300-TAH	300	10
LW350-TAH	340	10

Laser Welded blades for Early Entry of Green Concrete.

Patented products for SOFF-CUT and other brands of early entering saws.

SKID PLATES

Part #	Application:
CSP 6-8	SKID PLATE for 6" & 8" blades
CSP 9-10	SKID PLATE for 10" blades
CSP 12-14	SKID PLATE for 12" & 13½" & 14" blades
CSP 6-8 T025	SKID PLATE for 6" & 8" blades .250 Thick
CSP 9-10 T025	SKID PLATE for 10" blades .250 Thick
CSP 12-14 T025	SKID PLATE for 12" & 13½" & 14" blades .250 Thick

What is SOFF-CUT?

Soff cutting road saws are designed to get onto the concrete slab earlier than conventional floor / road saws. They are designed to carry out expansion cutting within two hours of finishing and before final set of concrete. Soff cut machines are designed to cut from 25—75mm in depth.



Loop Blades



HFTKD

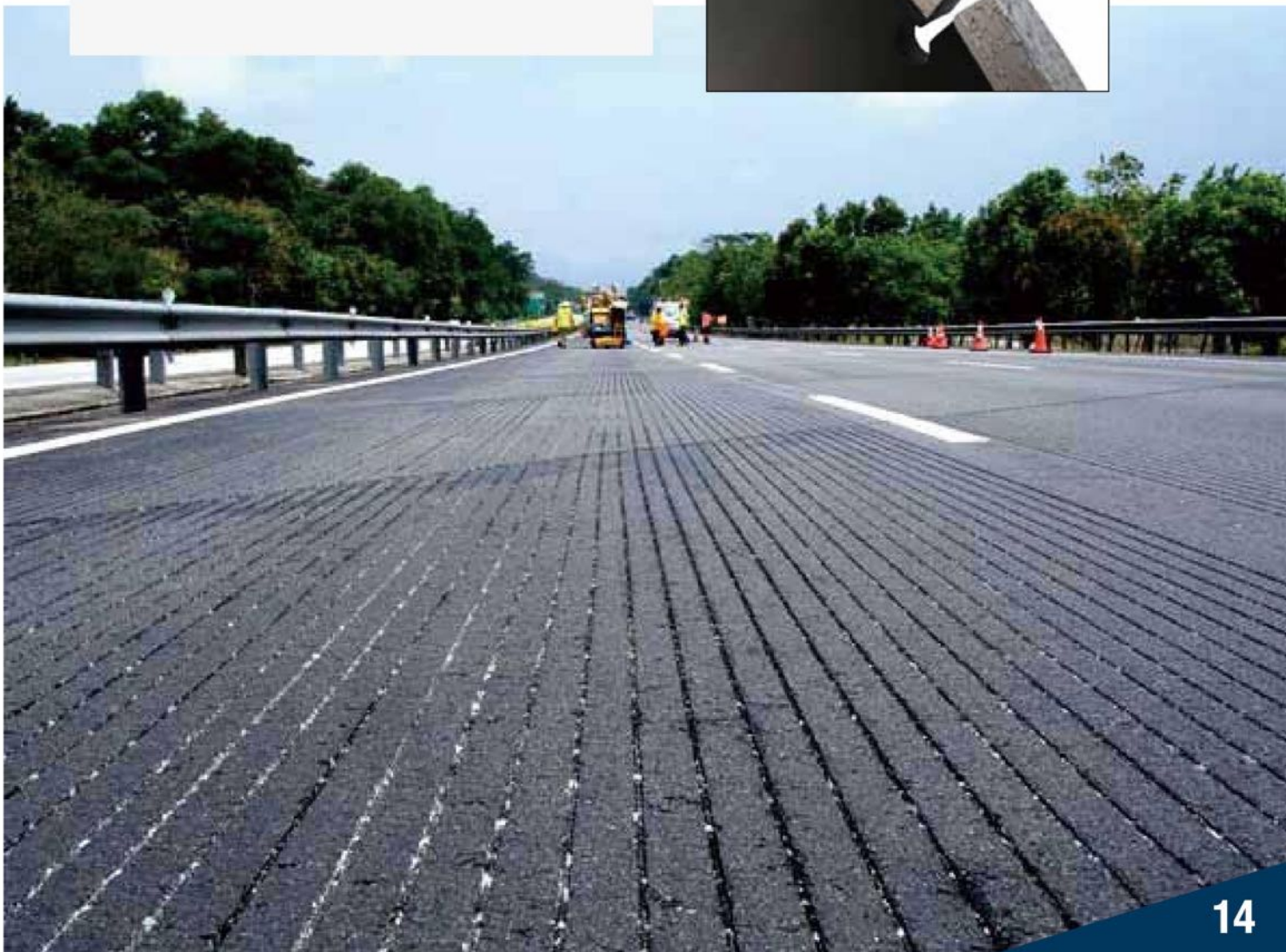
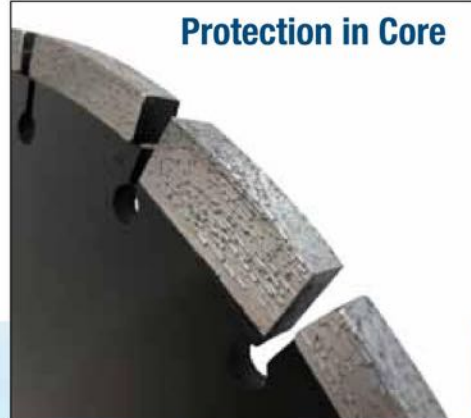
Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
HFTKD300	300	10	6.0, 8.0, 10.0, 12.0
HFTKD350	350	10	6.0, 8.0, 10.0, 12.0, 15.20
HFTKD400	400	10	6.0, 8.0, 10.0, 12.0, 15.20
HFTKD450	450	10	6.0, 8.0, 10.0, 12.0

Segments thicknesses in 6.0 mm-8.0 mm-10.0 mm-12.0 mm-15.0 mm -20 mm fulfill any demand of slots cutting.

Blades for slot cutting for electric and electronic cables as installation of traffic loops on concrete or asphalt made road. Can also be used in other joint widening applications.

Recommended for the professional cutting with sufficient water coolant.

Protection in Core





HF

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
LWU600	600	12	6.35
HF800	800	12	8.0
HF900	900	10	6.35
HF900	900	12	8.0
HF900	900	15	8.0
HF1100	1100	12	8.0
HF1300	1300	12	8.0

Diamond blades for the industrial cutting of Pre-cast Concrete, Pre-stressed Concrete, Composite Hollow Concrete and other type of concrete made blocks with steel bars reinforced.

Recommended for specialized operators with sufficient water coolant.

Advantages:

- Professional Quality Diamonds
- Bond Matrix Optimized
- Undercutting Protection
- Heat-treated Steel Bodies

What is Pre-stressed Concrete ?

Pre-stressed concrete is a type of reinforced concrete that builds in compressive stresses during fabrication to oppose those that occur when in use. It can be used to produce beams with a longer span than is practical with ordinary reinforced concrete.



Wall Saw Blades

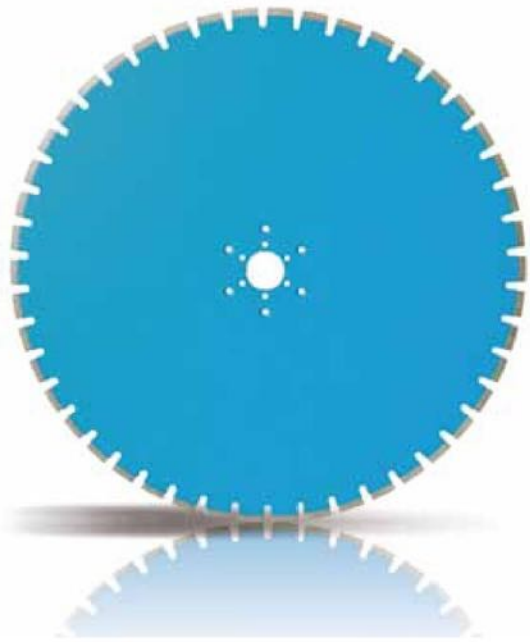
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Wall Saw Blades

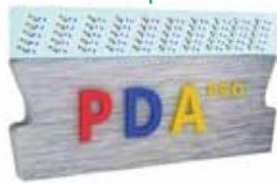
Cured Concrete



PDA^{PRO}

LWUWS-PDA

Product Code	Diameter (mm)	Height (mm)	Length (mm)	Thickness (mm)
LWUWS450-PDA	450	12	40	4.0
LWUWS500-PDA	500	12	40	4.0
LWUWS550-PDA	550	12	40	4.0
LWUWS600-PDA	600	12	40	4.0/4.5/4.7/5.0
LWUWS650-PDA	650	12	40	4.0/4.5/4.7/5.0
LWUWS700-PDA	700	12	40	4.0/4.5
LWUWS750-PDA	750	12	40	4.0/4.5
LWUWS800-PDA	800	12	40	4.0/4.5/4.7/5.0
LWUWS900-PDA	900	12	40	4.5/4.7/5.0
LWUWS1000-PDA	1000	12	40	4.5/4.7
LWUWS1200-PDA	1200	12	40	4.5/4.7
HFUWS1600-PDA	1600	12	40	4.5/4.7



Features **PDA^{PRO}** the most advanced diamond pattern for fast cutting through reinforced concrete and long blade life.

Diameters up to 2200 mm, laser welded blades up to 1200 mm, multiple segment thicknesses for different cutting options.



PDA^{PRO}

LWSUWS-PDA

Product Code	Diameter (mm)	Height (mm)	Length (mm)	Thickness (mm)
LWSUWS500-PDA	500	12	24	4.0
LWSUWS550-PDA	550	12	24	4.0
LWSUWS600-PDA	600	12	24	4.0/4.5/5.0
LWSUWS650-PDA	650	12	24	4.0/4.5/5.0
LWSUWS700-PDA	700	12	24	4.0/4.5
LWSUWS750-PDA	750	12	24	4.0/4.5
LWSUWS800-PDA	800	12	24	4.0/4.5/4.7/5.0
LWSUWS900-PDA	900	12	24	4.5
LWSUWS1000-PDA	1000	12	24	4.5
LWSUWS1200-PDA	1200	12	24	4.5
HFSFUWS1600-PDA	1600	12	24	4.5



LWUWS

Product Code	Diameter (mm)	Height (mm)	Length (mm)	Thickness (mm)
LWUWS450	450	12	40	5.0
LWUWS500	500	12	40	4.0
LWUWS550	550	12	40	4.5
LWUWS600	600	12	40	4.5/4.7/5.0
LWUWS650	650	12	40	4.5/5.0
LWUWS700	700	10/12	40	4.0/4.5
LWUWS750	750	10/12	40	4.5/4.7
LWUWS800	800	10/12	40	4.5/4.7/5.0/6.0
LWUWS900	900	10/12	40	4.5/4.7
LWUWS1000	1000	10/12	40	4.5
LWUWS1200	1200	10/12	40	4.5
HFUWS1600	1600	10/12	40	4.5



Laser Welded blades with V- Segments, the best cost-effective wall saw blades for hydraulic saws and high frequency electric saws.

Diameters up to 2200 mm, laser welded blades up to 1200 mm, multiple segment thicknesses for different cutting options.

Recommended for the professional cutting with sufficient water coolant.

A Range of Pattern Hole Signs for the Popular Wall Saws in Market.



Application Instruction:



Machine Power	Power Source	Blades Diameter	Recommended bond #	
			Premium*	Professional**
<12 KW	Electric	450-1000 mm	WS409	PDA431
12-40 KW	HF Electric, Hydraulic	600-2200 mm	WS620	PDA731
*Premium quality products are suitable for medium hard reinforced concrete.				
**Professional quality products are suitable for heavily reinforced concrete with hard aggregates.				

High Frequency Saws



What is a High-frequency Handheld Saw?

A high frequency demolition saw that cuts wet or dry, with good control of work due to minimal gyroscopic forces and low vibrations. Features an easily adjustable water flow, lightweight, compact power pack and LED load indicator.



Typical High Frequency Concrete Saws



High Frequency Saws

NEW



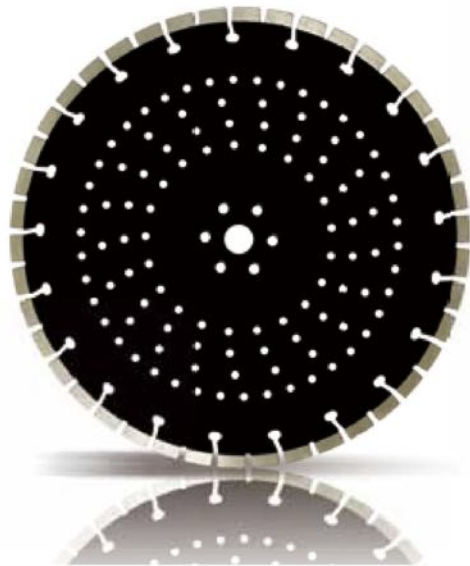
LWPSDS-PDA

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)	Arbor (mm)
LWPSDS350-PDA	350	12.5	2.6	25.4 with Flush Holes
LWPSDS400-PDA	400	12.5	2.6	25.4 with Flush Holes
LWPSDS400-PDA	400	12.5	3.5	25.4 with Flush Holes
LWPSDS400-PDA	400	12.5	4.2	25.4 with Flush Holes
LWPSDS450-PDA	450	12.5	4.0	25.4 with Flush Holes

Laser Welded blades specially developed for HF Electric Handheld Saws, **PDA**^{PRO} premium quality for cutting hard concrete with steel bars, weight reduced with multiple cooling holes, extra arbor pattern holes for flush cutting.

Approved to EN12236, safe cutting guaranteed.

Ideal for the professional cutting with sufficient water coolant, good for dry cutting.



LWSQDS-PDA

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)	Arbor (mm)
LWSQDS350-PDA	350	12.5	2.8	25.4 with Flush Holes
LWSQDS400-PDA	400	12.5	2.8	25.4 with Flush Holes



LW-3V

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)	Arbor (mm)
LW400-3V	400	10	3.2	25.4 with Flush Holes
LW450-3V	450	10	4.0	25.4 with Flush Holes
LW500-3V	500	10	4.0	25.4 with Flush Holes
LW600-3V	600	10	4.0	25.4 with Flush Holes

Ring Saw Blades



LWRS-PDA

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)	Grooves in Core
LWRS-1HU350-PDA	370	12	4.0/4.2/6.0	1
LWRS-1HU400-PDA	420 (16.5")	12	4.2	1
LWRS-1TY400-PDA	415	12	4.0	1
LWRS-1TY500-PDA	517	12	4.0	1
LWRS-2WK400-PDA	410	12	4.0/4.2	2
LWRS-3AG330-PDA	330	12	4.0	3
LWRS-3AG400-PDA	410	12	4.0	3

Series of Ring Saw Blades for Husqvarna/ Weka/ AGP and other popular brands of Ring Saws.

Features **PDA^{PRO}** the most advanced diamond pattern arraying technology, for fast cutting through reinforced concrete.

Laser Welded segments guarantee the safe cutting.

LWRS

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)	Grooves in Core
LWRS-1HU350	370	12 10 7	4.2/6.35(10)	1
LWRS-1HU400-WTS	420 (16.5")	12	4.2	1
LWRS-2WK400	410	10	4.0	2
LWRS-3AG330	330	10	4.0	3
LWRS-3AG400	400	10	4.0	3



V-TechTM

LWRS-V-TECH

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)	Grooves in Core
LWRS-1HU350-B07	370	8	4.0	1
LWRS-3AG400-B07	400	8	4.0	3



Power Cutters Table Saws Low Power Road Saws Battery Saws

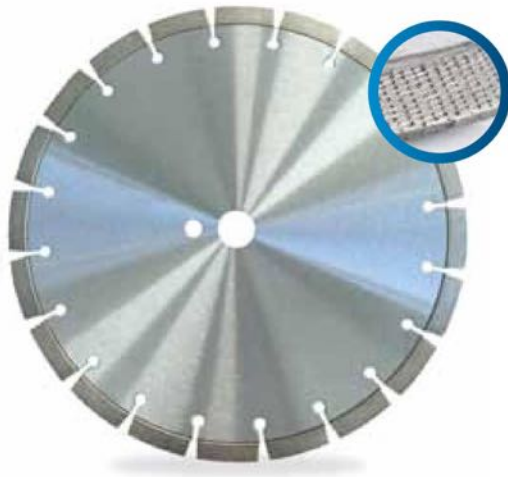
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Laser Welded Blades

Cured Concrete, Stones & Hard Materials



PDA^{PRO}

LW-PDA

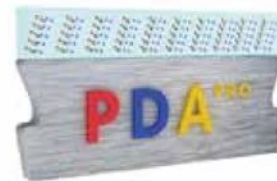
Product Code	Diameter(mm)	Height(mm)	Length(mm)
LW115-PDA	115	12	40
LW125-PDA	125	12	40
LW180-PDA	180	12	40
LW230-PDA	230	12	40
LW300-PDA	300	12	40
LW350-PDA	350	12	40
LW400-PDA	400/414	12	40
LW450-PDA	450	12	40
LW500-PDA	500	12	40
LW600-PDA	600	12	40

PDA^{PRO} for the maximum performance and consistency of blades.

Laser Welded Blades for Cure Concrete, Hard Bricks, Pavers, Granite and other Hard Materials. Approved to EN13236 and oSa requirements, safe cutting guaranteed.

105 mm -230 mm are recommended for angle grinders, tables saws and portable saws.

300 mm- 1200 mm are suitable for power cutters, masonry saws and low power road saws.



PDA^{PRO}

LWSL-PDA

Product Code	Diameter(mm)	Height(mm)	Length(mm)
LWSL230-PDA	230	12	24
LWSL300-PDA	300	12	24
LWSL350-PDA	350	12	24
LWSL400-PDA	400/414	12	24
LWSL450-PDA	450	12	24
LWSL500-PDA	500	12	24

Laser Welded Blades

Cured Concrete, Stones & Hard Materials

NEW



PDA^{PRO}

LW-PST-PDA

Product Code	Diameter(mm)	Height(mm)	Length(mm)
LW230-PST-PDA	230	12	40
LW300-PST-PDA	300	12	40
LW350-PST-PDA	350	12	40
LW400-PST-PDA	400	12	40



NEW



PDA^{PRO}

LW-FAN-PDA

Product Code	Diameter(mm)	Height(mm)	Length(mm)
LWSU230-FAN-PDA	230	17	38
LWSU300-FAN-PDA	300	17	38
LWSU350-FAN-PDA	350	17	38
LWSU400-FAN-PDA	400	17	38
LWSU450-FAN-PDA	450	17	38

Laser Welded PDA blades for Cure Concrete, Hard Bricks, Pavers, Granite and other Hard Materials.
Approved to EN13236 and oSa requirements, safe cutting guaranteed.

General Application Instruction:



Diameter(mm)	Application	Recommended Quality
105-1200	Lightly Reinforced Concrete, Bricks, Blocks, Granite	Standard**
105-1200	Heavily Reinforced Concrete, Hard Bricks, Pavers, Hard Clays	Premium***
**Standard range: equalized performance of both cutting speed and life, suitable for general cutting.		
***Premium range: suitable for any demanding cutting like heavily reinforced concrete in C20-C45, granite and other hard materials.		

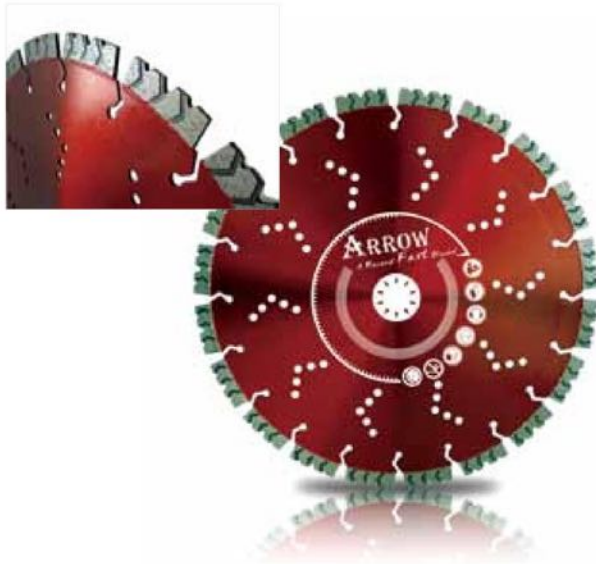
Laser Welded Blades

Cured Concrete, Stones & Hard Materials

ARROW®

The original ARROW turbo segments in brand-new bond provides a unique solution of smoothly cutting nearly all hard materials, including Reinforced Concrete, Granite, Clay Blocks, Hard Paviers.

Laser welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.



LWEB-GYT

Product Code	Diameter (mm)	Height (mm)	
LWEB115-GYT	115	12	
LWEB125-GYT	125	12	
LWEB150-GYT	150	12	
LWEB180-GYT	180	12	
LWEB230-GYT	230	15	
LWEB300-GYT	300	15	
LWEB350-GYT	350	15	
LWEB400-GYT	400/414	12	15
LWEB450-GYT	450	12	15
LWEB500-GYT	500	12	15
LWEB600-GYT	600	12	15



Swordfish is one of the fastest fish in the world and a fast-cutting blade as well. Streamline ladder shape segments in latest bond guarantees smooth cutting with least friction.

Laser welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.



LWRA-CWT

Product Code	Diameter(mm)	Height(mm)
LWRA115-CWT	115	13
LWRA125-CWT	125	13
LWRA150-CWT	150	13
LWRA180-CWT	180	13
LWRA230-CWT	230	13
LWRA300-CWT	300	13
LWRA350-CWT	350	13
LWRA400-CWT	400	13
LWRA450-CWT	450	13
LWRA600-CWT	600	13

General Application Instruction:



Diameter(mm)	Application	Recommended Quality
115-600	Heavily Reinforced Concrete, Hard Bricks, Pavers, Hard Clays	Premium***

***Premium range: suitable for any demanding cutting like heavily reinforced concrete in C20-C45, granite and other hard materials.

Laser Welded Blades

Cured Concrete, Stones & Hard Materials

NEW



LW-XCT

Product Code	Diameter(mm)	Height(mm)	Length(mm)
LWS125-XCT	125	12	32
LWS180-XCT	180	12	32
LWS230-XCT	230	12	32
LWS300-XCT	300	12	32
LWS350-XCT	350	12	32
LWS400-XCT	400	12	32

12 mm XCT Turbo Segments, Optimized Cutting Speed.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

NEW



LW-NT

Product Code	Diameter(mm)	Height(mm)	Length(mm)
LWPS230-NT	230	12	40
LWPS300-NT	300	12	40
LWPS350-NT	350	12	40

Series of brand-new blades for Cured Concrete, Bricks, Pavers, Granites and other Hard materials. Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed. Exceptional performance to get all your cutting demand satisfied.

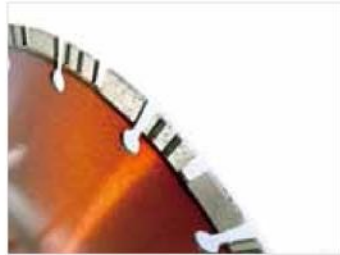
General Application Instruction:



Diameter(mm)	Application	Recommended Quality
115-600	Lightly Reinforced Concrete, Bricks, Blocks, Granite	Standard**
115-600	Heavily Reinforced Concrete, Hard Bricks, Pavers, Clays	Premium***
**Standard range: equalized in both cutting speed and life, very suitable for general contractors.		
***Premium range: for any demanding cutting like heavily reinforced concrete in C20-C45, granite and other very hard materials.		

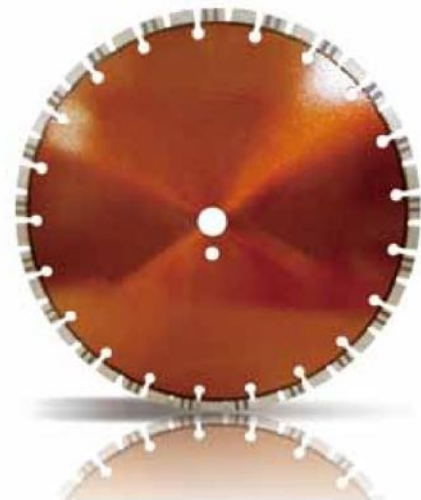
Laser Welded Blades

Cured Concrete, Stones & Hard materials



LWEDS-ALT

Product Code	Diameter(mm)	Height(mm)	Length(mm)
LWEDS150-ALT	150	10	2.4
LWEDS230-ALT	230	10	2.4
LWEDS300-ALT	300	10	2.8
LWEDS350-ALT	350	10	2.8
LWEDS400-ALT	400	10	2.8
LWEDS500-ALT	500	10	2.8



Series of brand-new blades for Cured Concrete, Bricks, Pavers, Granites and other Hard materials.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.

Exceptional performance to get all your cutting demand satisfied.

LWT

Product Code	Diameter(mm)	Height(mm)	Length(mm)
LWT300-UST-GVT7	300	10/6	3.5
LWT350-UST-GVT7	350	10/6	3.5
LWT400-UST-GVT7	400	10/6	3.5

Laser Welded blades with side-protection for iron cutting.



Laser Welded Blades

Cured Concrete, Stones & Hard Materials

What are the Benefits of Cooling Holes in Core?

Cooling holes in blades will keep the steel core cool and will prevent distorting of that core, keeping the segments cool will improve the cutting speed and life. Cooling holes also help reducing the weight of blades.

NEW



LW-3V-KC

Product Code	Diameter(mm)	Height(mm)
LW200-3V	200	10
LW230-3V	230	10/12/15
LW250-3V	250	10
LW300-3V	300	10/15
LW350-3V	350	10/15
LW400-3V	400	10/12/15
LW450-3V	450	10
LW500-3V	500	10
LW600-3V	600	10

A range of Laser Welded blades with multiple Cooling Holes in steel cores.

Best choice for the working condition with limited water cooling.

JOY TECH's original cooling hole designs are strictly in conform of European safety standards EN13236.



LWPS-UST-CGK02

Product Code	Diameter (mm)	Height (mm)		
LWPS230-UST-CGK02	230	10	12	15
LWPS300-UST-CGK02	300	10	12	15
LWPS350-UST-CGK02	350	10	12	15
LWPS400-UST-CGK02	400	10	12	15
LWPS450-UST-CGK02	450	10	12	15
LWPS500-UST-CGK02	500	10	12	15
LWPS600-UST-CGK02	600	10	12	15



Laser Welded Blades

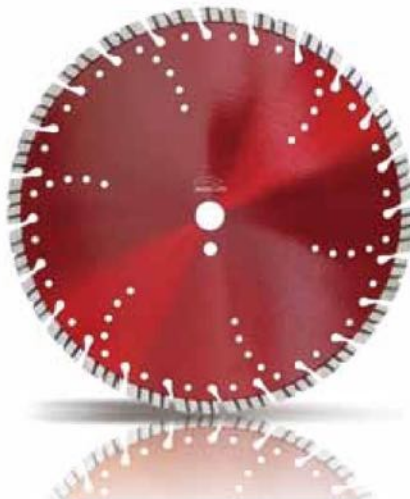
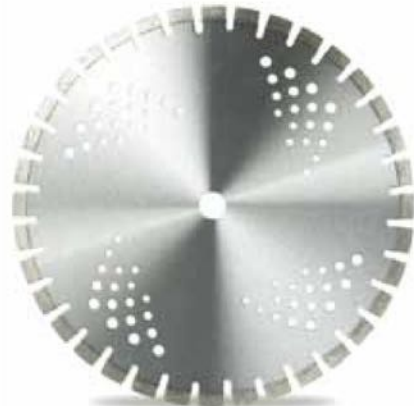
|| Cured Concrete, Stones & Hard Materials ||



LWUKQ

SHORT

Product Code	Diameter(mm)	Height(mm)
LWUKQ230	230	12
LWUKQ300	300	12
LWUKQ350	350	12
LWUKQ400	400	12
LWUKQ450	450	12



LWPS-XVT3

Product Code	Diameter(mm)	Height(mm)
LWPS115-XVT3	115	10
LWPS125-XVT3	125	10
LWPS150-XVT3	150	10
LWPS180-XVT3	180	10
LWPS230-XVT3	230	10
LWPS300-XVT3	300	10
LWPS350-XVT3	350	10



LWKQ-ALT

Product Code	Diameter(mm)	Height(mm)
LWKQ230-ALT	230	10
LWKQ300-ALT	300	10
LWKQ350-ALT	350	10
LWKQ400-ALT	400	10
LWKQ450-ALT	450	10
LWKQ500-ALT	500	10



Laser Welded Blades

Cured Concrete, Stones & Hard Materials



LW

Product Code	Diameter (mm)	Height (mm)			
LW105	105	7	10		
LW115	115	7	10	12	
LW125	125	7	10	12	
LW180	180	7	10	12	
LW230	230	7	10	12	15
LW300	300	7	10	12	15
LW350	350	7	10	12	15
LW400	400/414	7	10	12	15
LW450	450		10	12	15
LW500	500		10	12	15
LW600	600		10	12	15
LW700	700		10	12	
LW800	800		10	12	
LW900	900		10	12	
LW1000	1000		10	12	
LW1200	1200		10	12	

For Cured Concrete, Hard Bricks, Pavers, Granites and other Hard Materials.

Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.
Diameter up to 1200 mm.

LWT-UST

Product Code	Diameter (mm)	Height (mm)			
LWT115-UST	115	10	12		
LWT125-UST	125	10	12		
LWT180-UST	180	10	12	15	
LWT230-UST	230	10	12	15	
LWT300-UST	300	10	12	15	
LWT350-UST	350	10	12	15	
LWT400-UST	400/414	10	12	15	
LWT450-UST	450	10	12	15	
LWT500-UST	500	10	12	15	
LWT600-UST	600	10	12	15	



LWT-WTS

Product Code	Diameter (mm)	Height (mm)	
LWT230-WTS	230	12	15
LWT300-WTS	300	12	15
LWT350-WTS	350	12	15
LWT400-WTS	400	12	15
LWT450-WTS	450	12	15



General Application Instruction:

Diameter(mm)	Application	Recommended Quality
105-800	General Building Materials	Economic*
105-1200	Lightly Reinforced Concrete, Bricks, Blocks, Granite	Standard**
105-1200	Heavily Reinforced Concrete, Hard Bricks, Pavers, Hard Clays	Premium***

*Economic range: cost-effective, the best choice for DIY users.

**Standard range: equalized performance in both cutting speed and life, very suitable for general contractors.

***Premium range: for any demanding cutting like heavily reinforced concrete in C20-C50, and other hard materials.

Laser Welded Blades

Asphalt and Fresh Concrete

LWUD-3

Product Code	Diameter (mm)	Height (mm)	
LWUD-3-300	300	10	12
LWUD-3-350	350	10	12
LWUD-3-400	400	10	12
LWUD-3-450	450	10	12
LWUD-3-500	500	10	12
LWUD-3-600	600	10	12



Drop segment



Slant segment



Wedge segment

For cutting Asphalt, Fresh Concrete and Abrasive materials.
Laser Welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.
Wide gullets in steel core clear debris faster when cutting through abrasive materials.
Undercutting protection with Drop, Slant or Wedge segments in core.

LWD-3

Product Code	Diameter (mm)	Height (mm)	
LWD-3-300	300	10	12
LWD-3-350	350	10	12
LWD-3-400	400	10	12
LWD-3-450	450	10	12
LWD-3-500	500	10	12
LWD-3-600	600	10	12

Product Code	Diameter (mm)	Height (mm)	
LWD-3-300-PDA	300	12	
LWD-3-350-PDA	350	12	
LWD-3-400-PDA	400	12	
LWD-3-450-PDA	450	12	



LWD-1



LWD-2



LWD-3



General Application Instruction:

Diameter(mm)	Application	Recommended Quality
300-600	Asphalt, Soft Concrete,	Economic*
300-600	Asphalt, Fresh Concrete, Abrasive materials	Standard**
300-600	Asphalt, Fresh Concrete, Abrasive materials	Premium***

*Economic range: cost-effective, the best choice for DIY users.
 **Standard range: longer life, suitable for general contractors.
 ***Premium range: very durable, suitable for professional contractors

Laser welded Blades

Combination Cutting - Concrete & Asphalt



LWSKD-1

Product Code	Diameter (mm)	Height (mm)
LWSKD-1-230-Alt	230	10 12
LWSKD-1-300-Alt	300	10 12
LWSKD-1-350-Alt	350	10 12
LWSKD-1-400-Alt	400	10 12
LWSKD-1-450-Alt	450	10 12
LWSKD-1-500-Alt	500	10 12

One blade for both Concrete and Asphalt cutting.

Laser Welded, Approved to EN13236, equipped with wedge segment undercut protection and cooling holes in core. Safe cutting in both wet and dry conditions.



LWFUD-3

Product Code	Diameter (mm)	Height (mm)
LWFUD-3-300-Alt-CGK01	300	12
LWFUD-3-350-Alt-CGK01	350	12
LWFUD-3-400-Alt-CGK01	400	12
LWFUD-3-450-Alt-CGK01	450	12



LWD-1-PDA

Product Code	Diameter (mm)	Height (mm)
LWD-1-300-PDA	300	12
LWD-1-350-PDA	350	12
LWD-1-400-PDA	400	12
LWD-1-450-PDA	450	12

General Application Instruction:

Diameter(mm)	Application	Recommended Quality
300-600	Cured Concrete, Asphalt. Soft Concrete,	Economic*
300-600	Cured Concrete, Asphalt. Fresh Concrete,	Standard**
300-600	Reinforced Concrete, Asphalt, Abrasive materials	Premium***
*Economic range: cost-effective, the best choice for DIY users.		
***Standard range: fast, longer life, suitable for contractors.		
***Premium range: durable, fast cutting, suitable for professional contractors.		

Battery Saws Blades

|| Cured Concrete, Stones & Hard Materials ||



LWFUMND

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)	Core Thickness (mm)
LWFUMNDS230	230	12	2.4	1.6
LWFUMNDS300	300	12	2.8	1.6
LWFUMNDS350	350	12	2.8	1.8



WHAT'S THE HARM OF HIGH-FREQUENCY NOISE?

High-frequency noise causes two types of health effects: on the one hand objective health effects such as hearing loss (in case of protracted exposure) and on the other hand subjective effects which may already occur after a few minutes: headache, tinnitus, fatigue, dizziness and nausea.

Patented R-Silent Technology, a new generation of noise-reduced steel cores which have heat resistant rubber pressed into slots to absorb the vibration, reduces high-frequency noise up to 30% compared with the traditional steel cores. The steel cores are extra-thin, solid and tensile, very suitable for laser welded blades in both wet and dry cuttings.

Features R-Silent steel cores, Gang Yan's latest super-light blades are fast cutting, noise-reduced, making the concrete cutting more comfortable.

Laser welded, Approved to EN13236 and oSa requirements, safe cutting guaranteed.



R-silent¹x

- 230 MM K535i, /STIHL TSA230/ MAKITA DCE090 /Milwaukee M18/ DEWALT FLEXVOLT
- 300 MM HUSQVARNA K1 ONE PACE/ Hilti DSH 600-22
- 350 MM HUSQVARNA K1 ONE PACE-350/ Milwaukee MX/

Sintered Blades

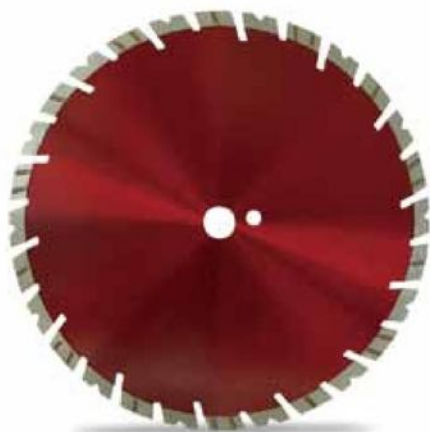


AUT

Product Code	Diameter(mm)	Height(mm)
AUT115	115	13
AUT125	125	13
AUT230	230	15
AUT300	300	15
AUT350	350	15

Best choice for the working condition with limited water cooling.

Gang Yan's original cooling hole designs are strictly in conform of European safety standards EN13236.



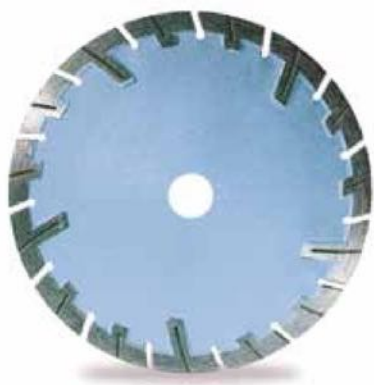
SUVT

Product Code	Diameter(mm)	Height(mm)
SUVT125	125	14
SUVT230	230	14
SUVT300	300	14
SUVT350	350	14

Sintered blades in various designs totally satisfied all your demands in general cutting.

Recommended for angle grinders, masonry saws, portable saws, power cutters.

Approved to EN13236, safe and cost-effective cutting solution.



HPATP

Product Code	Diameter(mm)	Height(mm)
HPATP105	105	10
HPATP115	115	10
HPATP125	125	10
HPATP180	180	10
HPATP230	230	10
HPATP300	300	10
HPATP350	350	10

Protection in Core

General Purpose Blades

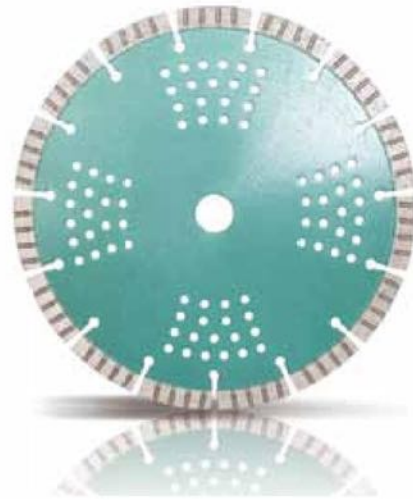
Sintered Blades

AST

Product Code	Diameter(mm)	Height(mm)
AST230	230	12
AST300	300	15
AST350	350	15

Best choice for the working condition with limited water cooling.

Gang Yan's original cooling hole designs are strictly in conform of European safety standards EN13236.



SD-3

Product Code	Diameter(mm)	Height(mm)
10SD-3-300	300	10
10SD-3-350	350	10

Asphalt, Green, Concrete.



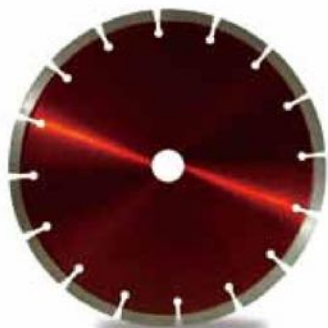
HPABFK

Product Code	Diameter(mm)	Height(mm)
10HPABFK230	230	10
10HPABFK300	300	10
10HPABFK350	350	10

Sintered blades in various designs totally satisfied all your demands in general cutting.
Recommended for angle grinders, masonry saws, portable saws, power cutters.
Approved to EN13236, safe and cost-effective cutting solution.

General Purpose Blades

Sintered Blades



A

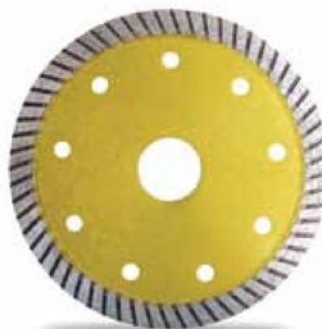
Product Code	Diameter(mm)	Height(mm)	
A105	105	7	10
A115	115	7	10
A125	125	7	10
A180	180	7	10
A230	230	7	10
A300	300	7	10
A350	350	7	10

Cost-effective sintered blades in various designs totally satisfied all your requirements in general cutting of construction materials.

The ranges of blades are recommended for angle grinders, masonry saws, portable saws and handheld cutters.

AB

Product Code	Diameter(mm)	Height(mm)	
AB105	105	7	10
AB115	115	7	10
AB125	125	7	10
AB180	180	7	10
AB230	230	7	10
AB300	300	7	10
AB350	350	7	10



DT

Product Code	Diameter(mm)	Height(mm)
DT105	105	10
DT115	115	10
DT125	125	10
DT180	180	10
DT230	230	10
DT300	300	10
DT350	350	10

CUT & GRIND

BTG-FL

Product Code	Diameter(mm)	Height(mm)	Arbor(mm)
BTG115-FL	115	10	M14
BTG125-FL	125	10	M14
BTG230-FL	230	10	M14

Specially designed for use on angle grinders for cutting, flush cutting, grinding and shaping of Concrete, Bricks, Tiles and Stone. Good for both dry and wet cutting.



Tuck Pointers

HFUTKP

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
HFUTKP120	120	10	11.,14,15,16.2,17.3,19,22
HFUTKP130	130	10	11,14,15,16.2,17.3

Protection in Core



HFTKD

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
HFTKD115	115	7, 10	4.0, 4.5, 6.35, 8.0, 10.0
HFTKD125	125	7, 10	4.5, 6.35, 8.0, 9.5, 10.0, 12.0
HFTKD180	180	7	9.5
HFTKD230	230	7	6.35

Protection in Core



TK

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
TK115	115	7, 10	6.35, 9.5
TK125	125	7, 10	6.35, 9.5
HFTK180	180	7, 10	6.35, 9.5
HFTK230	230	7, 10, 12	5.0, 6.35, 8.0, 9.5, 10.0

Multiple segment thickness options fulfill all types of hard and abrasive mortar chasing.

Long life guaranteed!



Crack Chasers



HFTKUS

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
HFTKUS105	105	7, 10, 12	6.35
HFTKUS115	115	10, 12	6.35
HFTKUS180	180	10, 12	6.35
HFTKD230	230	7	6.35

Multiple segment thickness options fulfill all types of hard and abrasive mortar chasing.

Long life guaranteed!



HFSTK

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
HFSTK105	105	12	9.5
HFSTK115	115	12	9.5
HFSTK125	125	12	9.5
HFSTK180	180	12	6.35, 9.5
HFSTK230	230	12, 15	9.5, 12.0

Crack chasing blades, very durable.

What is Crack Chasing?

Crack chasing is the process of cutting into cracks in concrete so that they can be waterproofed with a sealant, repaired with an epoxy, or some other filling compound.



Stone Processing

THE GLOBAL CUTTER'S WAY



WWW.ALZR.COM
INFO@ALZR.COM

Granite Cutting



HFFU-FAN-PDA

Product Code	Diameter (mm)	Height(mm)	Length (mm))	Arbor (mm)
HFFU300-FAN-PDA	300	20	24	60
HFFU350-FAN-PDA	350	20	24	60
HFFU400-FAN-PDA	400	20	24	60
HFFU450-FAN-PDA	450	20	24	60
HFFU500-FAN-PDA	500	20	24	60
HFFU600-FAN-PDA	600	20	24	60

PDA^{PRO} Diamond Arraying Technology delivers consistency in diamond exposure, providing maximum efficiency start to finish.

With exceptional feeding speed, this blade outperforms traditional products. These further increases cutting speed and debris removal. Diamond clusters provide more diamond point exposure, which increases cutting speed with less amp draw and therefore is easier on machinery.

Ideal for Granite, Quartzite, Basalt, Engineered Stone.

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.



HFFU-FAN-MN7

Product Code	Diameter (mm)	Height(mm)	Length (mm))	Arbor (mm)
HFFU300-FAN-MN7	300	20	38	60
HFFU350-FAN-MN7	350	20	38	60
HFFU400-FAN-MN7	400	20	38	60
HFFU450-FAN-MN7	450	20	38	60
HFFU500-FAN-MN7	500	20	38	60
HFFU600-FAN-MN7	600	20	38	60

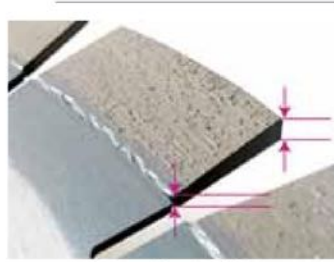
Quality Diamond Blades with Multi-Diamond Layers deliver consistent and durable cutting.

Ideal for Granite, Quartzite, Basalt, Engineered Stone.

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.

Granite Cutting



Conical Segments



HFFU-CO

Product Code	Diameter (mm)	Height(mm)	Length (mm)
HFFU300-CO	300	20 15 10	40
HFFU350-CO	350	20 15 10	40
HFFU400-CO	400	20 15 10	40
HFFU450-CO	450	20 15 10	40
HFFU500-CO	500	20 15 10	40
HFFU600-CO	600	20 15 10	40
HFFU700-CO	700	20 15 10	40
HFFU800-CO	800	20 15 10	40
HFFU900-CO	8900	20 15 10	40

Ideal for Granite, Quartzite, Engineered Stone.

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.

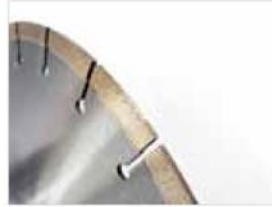


HFFUDS

Product Code	Diameter (mm)	Height(mm)	Length (mm)
HFFUDS300-CO	300	15 12 10	20
HFFUDS350-CO	350	15 12 10	20
HFFUDS400-CO	400	15 12 10	20
HFFUDS450-CO	450	15 12 10	20
HFFUDS500-CO	500	15 12 10	20
HFFUDS600-CO	600	15 12 10	20
HFFUDS700-CO	700	15 12 10	20
HFFUDS800-CO	800	15 12 10	20

Short Segments.





HFCTN-FAN-MN

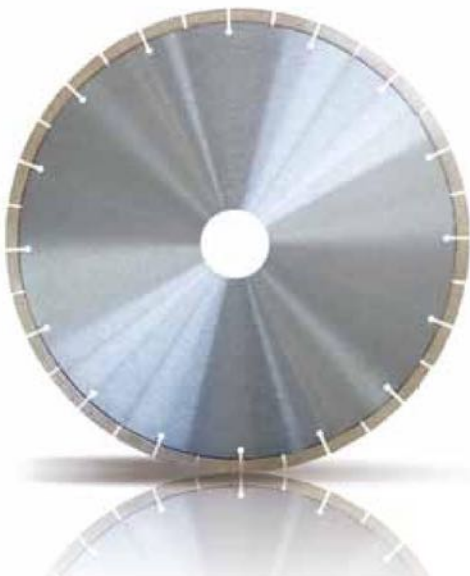
Product Code	Diameter (mm)	Height(mm)	Length (mm)	Arbor (mm)
HFCTN300-FAN-MN	300	10	38	60
HFCTN350-FAN-MN	350	10	38	60
HFCTN400-FAN-MN	400	10	38	60
HFCTN450-FAN-MN	450	10	38	60
HFCTN500-FAN-MN	500	10	38	60
HFCTN600-FAN-MN	600	10	38	60

Quality Diamond Blades with Multi-Diamond Layers deliver consistent and durable cutting.

Ideal for Marble/ Limestones/ Porcelain

One blade for both straight and miter cut.

Recommended for professional cutting with sufficient water coolant.



HPB-D3

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
10HPB300-D3	300	10	2.6
10HPB350-D3	350	10	2.8

Quality Diamond Blades for Marble.

Cost-effective solution.

Recommended for professional cutting with sufficient water coolant.



Sandstone & Limestone Cutting



LWSU-FAN

Product Code	Diameter (mm)	Height(mm)	Length (mm))	Arbor (mm)
LWSU300-FAN	300	17	38	60
LWSU350-FAN	350	17	38	60
LWSU400-FAN	400	17	38	60
LWSU450-FAN	450	17	38	60
LWSU500-FAN	500	17	38	60
LWSU600-FAN	600	17	38	60



Quality Diamond Blades with 17 mm segments for sandstone cutting, durable and fast cutting

Ideal for Sandstone, Gritstone

Recommended for professional cutting with sufficient water coolant.

LWFUTDS

Product Code	Diameter (mm)	Height(mm)	Length (mm))	Arbor (mm)
LWFUTDS300	300	15	20	60
LWFUTDS350	350	15	20	60
LWFUTDS400	400	15	20	60
LWFUTDS500	500	12	20	60



Quality Diamond Blades with 15 mm segments for Limestone cutting, durable and fast.

Ideal for Limestone and other Soft Stones.

Recommended for professional cutting with sufficient water coolant.



UCS Porcelain Cutting

Master™ The Trademark of A Range of Quality Blades for USC Porcelain Cutting.



Features:

- R-Silent Steel Cores from 250 mm to 500 mm
- Multi-layer Diamonds Technology
- High Feed Speeds
- Free of Chipping
- One blade for both Straight and Miter Cutting.

DEKTON®

LAPITEC
NATURALLY ITALIAN

NEOLITH
EXTRAORDINARY SURFACE

LAMINAM
SUPERIOR NATURAL SURFACES

What is UCS Porcelain?

UCS (Ultra-Compact Surface) Porcelains are created from a combination of glass, porcelain, and quartz material. It is a fairly new countertop material created through a very unique fabrication process known as Sintered Particle Tech. This process basically involves the mix of raw elements under high temperatures and extreme pressure.

The most famous brands of UCS Porcelain in the world include Dekton, Lapitech, Neolith, Laminam.





NEW

HFCNT-FAN-MN

Item code	Dia. /mm	Seg. H /mm	Seg. T /mm	Bore Size. T /mm
HFCNT250-FAN-MN	250	10	2.2	25.4
HFFU300-FAN-MN	300	10	3.0	60/50
HFFU360-FAN-MN	360	10	3.2	60/50
HFFU400-FAN-MN	404	10	3.2	60/50
HFFU450-FAN-MN	460	10	3.4	60/50
HFFU500-FAN-MN	510	10	3.4	60/50

Recommended Cutting Parameters:

Slab Type	Slab Thickness/ mm	RPM/ 300	RPM/ 360	RPM/ 400	RPM/ 450	RPM/ 500	Straight Cut Feed Speed LM/min	Miter Cut Feed Speed LM/min
White Dekton	12 mm	2540-3180	2180-2720	1900-2400	1690-2120	1520-1900	2.0-2.4	1.0-1.2
	20 mm	2540-3180	2180-2720	1900-2400	1690-2120	1520-1900	1.2-2.0	0.6-1.0
	30 mm	2540-3180	2180-2720	1900-2400	1690-2120	1520-1900	0.8-1.2	0.4-0.6

Recommended for professional cutting with sufficient water coolant.

While entering and exiting the cut, reduce the feed speed of 40%-50%.

Conditions For Optimal Performance:

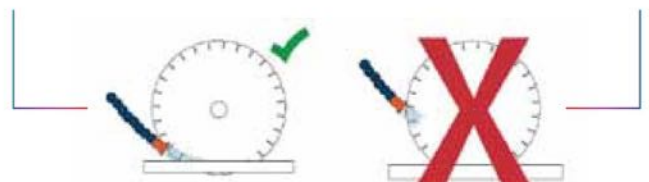
PROPERLY ORIENTING THE WATER FLOW: exactly at the point of entry/ contact between the blade and the material.

Always make sure the water pressure does not stop and let the flow fall down before arriving at the appropriate contact area, otherwise the cooling of the blade is inefficient. Considering that a blade under operation can reach a very high temperature, the right orientation of the water flow is absolutely determinant for the blade cooling.

CLEAN WATER: clear of mud or sand in water

FRESH WATER: water quality is key, to keep the blade sharp

ENOUGH PRESSURE: to push away the cutter waste.



Ceramic Tiles

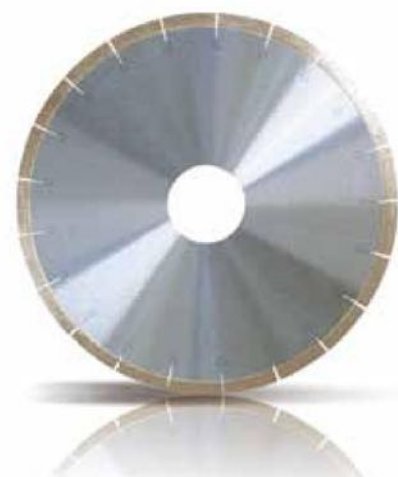
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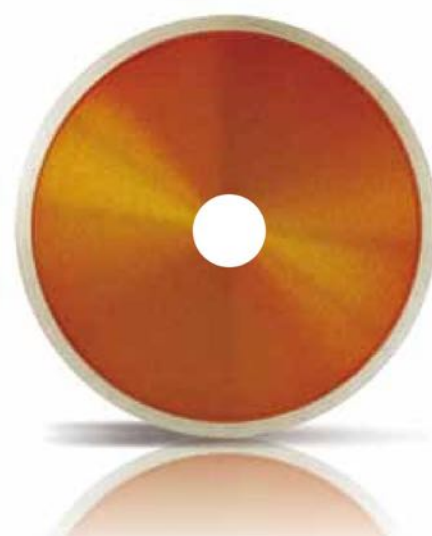
Porcelain & Ceramic Tiles

HPB-C			
Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
10HPB200-C	200	10	1.6,1.8
10HPB250-C	250	10	1.6,1.8,2.0,2.2
10HPB300-C	300	10	1.8,2.0,2.2,2.4
10HPB350-C	350	10	2.2,2.4,2.6,2.8
HFCTN400-FAN-MN	400	10	3.0



*Professional blades for cutting porcelain tiles, ideal for both single and multi-blades cutting.
A package of diamond grit sizes and thickness for option.
Latest sintering technology guarantees the strength of steel cores.*

HPB			
Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
10HPB200	200	10	1.6,1.8
10HPB250	250	10	1.6,1.8,2.0,2.2
10HPB300	300	10	1.8,2.0,2.2,2.4
10HPB350	350	10	2.2,2.4,2.6,2.8



Gang Yan

FEPA Grit chart

GY GRITS CODE	FEPA GRITS
GY 70	D64
GY 60	D76
GY 50	D91
GY 40	D107
GY 30	D126
GY 20	D151
GY 10	D181
GY 07	D213
GY 02	D252
GY 01	D301



HPBT-C-FL

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
10HPB180-C-FL	180	10	1.2
10HPB200-C-FL	200	10	1.2
10HPB230-C-FL	230	10	1.2
10HPB250-C-FL	250	10	1.2

Quality blades for Ceramic, Porcelain, Artificial stone.
1.2 mm blades rim delivers exceptional and clean cutting.

Reinforced steel cores guarantee the stable cutting.
Recommend for wet cutting only.



HPB-Glass

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
HPB180	180	7	1.6
HPB200	200	7	1.6
HPB230	230	7	1.6
HPB250	250	7	2.2



Quality blades for Glass cutting.
Extreme-soft bond matrix delivers the exceptional cutting speed and clean edge.
Recommend for wet cutting only.

Polishing Pads

For taking off sharp edges on porcelain tile, removing calcium from swimming pool tiles and prepping concrete overlays.

Available individually or in sets from 50-3000 diamond grit.



Dressing Stone

Keep your diamond blades sharp with abrasive dressing stones.
Grit Size #80



Ceramic Tiles

Super thin

HPNS

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)	
10HPNS105t-FL	105	10	1.4	1.2
10HPNS115t-FL	115	10	1.4	1.2
10HPNS125t-FL	125	10	1.4	1.2
10HPNS180t-FL	180	10	1.6	
10HPNS230t-FL	230	10	1.6	
10HPNS250t-FL	250	10	1.6	



Hot Press Sintered Blades for Ceramic Tiles, Porcelain, Marble.
Exceptional cutting speed and free of chipping.
Reinforced Steel Cores.

250mm is ideal for 20mm porcelains.

105-125 mm are recommended for dry cutting.

180-250 mm are ideal for wet cutting.



HPNT

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)	
HPNT105-FL	105	10	1.4	
HPNT115-FL	115	10	1.4	
HPNT125-FL	125	10	1.4	
HPNT180-FL	180	10	1.6	
HPNT230-FL	230	10	1.6	
HPNT250-FL	250	10	1.6	



Super thin



HPABFt-FL

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)	
10HPABF105t-FL	105	10	1.4	1.2
10HPABF115t-FL	115	10	1.4	1.2
10HPABF125t-FL	125	10	1.4	1.2
10HPABF180t-FL	180	10	1.6	
10HPABF230t-FL	230	10	1.6	
10HPABF250t-FL	250	10	1.6	

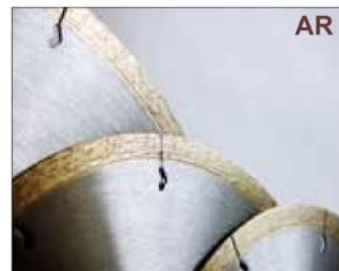
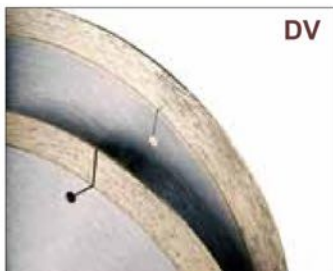


HPB

Product Code	Diameter (mm)	Height(mm)	Thickness (mm)
HPB105	105	10 7	1.6
HPB100	110	10 7	1.6
HPB115	115	10 7	1.6
HPB125	125	10 7	1.6
HPB150	150	10	1.6
HPB180	180	10	1.6
HPB200	200	10	1.6
HPB230	230	10	1.6
HPB250	250	10	1.6
HPB300	300	10	2.0
HPB350	350	10	2.4

Premium quality sintered blades for cutting Ceramics Tiles, Porcelain Tiles, Marble tiles.
Various laser cutting slots.

Multiple Slots Designs:



V-TechTM

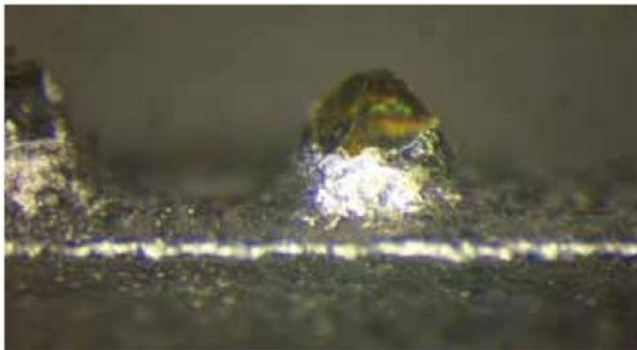
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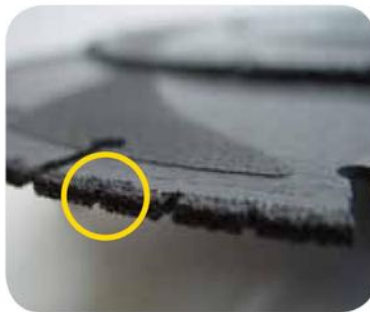
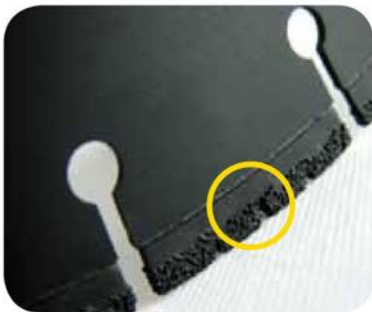
What's V-Tech?

V-Tech™



■ Extremely high exposure of diamond

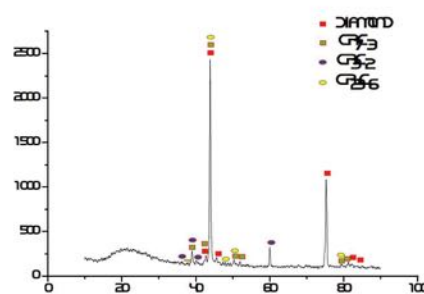
V-Tech allows diamond particle to protrude up to 3/4 out of the bond, much higher than that of sintering and electroplating, leaving better clearance on tools surface, significantly improving cutting efficiency and cooling.



■ Unique diamond holding capability

V-Tech creates a chemical bonding between diamond and matrix, permanently brazing the diamond to the substrate. The diamond crystal is retained on the tool in continuous cutting untill totally wearing itself out. Therefore, the working life of V-Tech tools is highly increased over traditional tools.

X-ray and SEM analysis showing chemical bonding in the interface



■ Injury free diamond

- The breakthrough of V-Tech eliminates heat injury to diamond which often happens on traditional tools. It maintains the best chemical and physical performance of diamond and prevents it from any damage.



Laser Welded

A Range of V-Tech Diamond Blades for Multi-Purpose Cutting.

V-Tech™

LW-B07

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
LW300-B07	300	8	3.0
LW350-B07	350	8	3.2
LW400-B07	400	8	3.5
LW450-B07	450	8	4.0
LW500-B07	500	8	5.0
LW600-B07	600	8	5.0
LW800-B07	600	8	5.0

The Best Choice for Steel and Iron Cutting.



V-Tech™

LW-B05

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
LW300-B05	300	8	3.0
LW350-B05	350	8	3.2
LW400-B05	400	8	3.5
LW450-B05	450	8	4.0
LW500-B05	500	8	5.0
LW600-B05	600	8	5.0
LW800-B05	600	8	5.0

V-Tech maximized the utilization of each diamond to deliver the blade the best cutting performance.

300 -400 mm are laser welded, ideal for power cutters and chop saws.
500- 800 are laser welded, recommended for professional use like wall sawing.

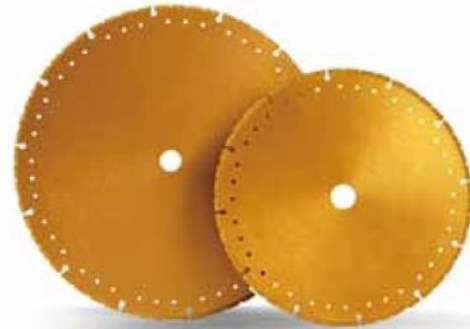


V-Tech™

VSA

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
VSA105-RH	105	2	1.5
VSA115-RH	115	2	1.5
VSA125-RH	125	2	1.5
VSA180-RH	180	2	2.0
VSA230-RH	230	2	2.0
VSA300-RH	300	4	2.6
VSA350-RH	350	4	2.8

105-350 mm for angle grinders, chop saws and power cutters



Advantages:

- Longer life over abrasive disc
- Less smoke and fewer sparks in cutting
- Smooth cutting without vibration

V-Tech™

VBA

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
VBA75	75	4	2.2
VBA90	90	4	2.2
VBA105	105	4	2.2
VBA115	115	4	2.2
VBA125	125	4	2.2
VBA180	180	4	2.6
VBA230	230	4	2.6



V-Tech™

VSAB

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
VSAB105	105	2	1.5
VSAB115	115	2	1.5
VSAB125	125	2	1.5
VSAB150	150	2	2.0
VSAB180	180	2	2.0
VSAB230	230	2	2.0
VSAB300	300	2	2.6
VSAB350	350	2	2.8



Stone



Concrete



Ductile Iron



PVC



Copper



Brick



Wood



Pavers

Metal Cutter

V-Tech™

VBE-GVT

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
VBE115-GVT4	115	4	2.2
VBE125-GVT4	125	4	2.2
VBE180-GVT6	180	4	2.6
VBE200-GVT7	200	4	2.6
VBE230-GVT7	230	4	2.6
LW300-B07-GVT7	300	8	3.0
LW350-B07-GVT7	350	8	3.2

Side-Protection in Core.



V-Tech™

VBA-VBFL

Product Code	Diameter (mm)	Height (mm)	Thickness (mm)
VBA125-VBFL	125	4	2.2
VBA230-VBFL	230	4	3.0
LW300-B05-VBFL	300	8	3.0
LW350-B05-VBFL	350	8	3.2

CUT AND GRIND

This V-Tech blade is designed to both cut and chamfer all types of pipe in one action.

With this 2 in 1 disc, the risk of an operator using the side of a standard diamond blade to chamfer the pipe will be eliminated.



Oscillating Blades



Oscillating Blades

Oscillating describes the movement of the multi-tool attachments and accessories that you're using – whether that's a multi-tool metal cutting blade or a wood sanding pad. The oscillating movement is a rapid rotation back and forth.

T-Shape Oscillating Blades. Suits Fein Multimaster & similar machines. Ideal for mortar removal on brickwork & stone walls. **V-Tech™** for aggressive cutting.

Reciprocating Blades



V-Tech™

VWFJ

Product Code	length	Height (mm)	thickness
VWFJ150	150	3	0.9
VWFJ200	200	3	0.9
VWFJ230	230	3	0.9

Brand-new Reciprocating Saw Blades and Jig Saw Blades.

Advantages:

- High Quality Steels
- Non-binding Cutting Edge
- Efficient and Durable
- Multi-Purpose

Drill Bits

V-Tech™ core drill bits improve the adhesion of the diamond drill bit to the surface for enhanced strength.

The range of drill bits we offer are made for a clean-cut finish and are compatible with a range of cordless drills and angle grinders.

V-Tech™

Product Code	Dia(mm)	Height (mm)	Length(mm)	Adaptor
V-JTCB	5-14	10	67/80	HEX



Ideal for dry drilling all kinds of tiles including Ceramic, Porcelain and Marbles.

Self-cooling, 5-14 mm with wax inside core barrels.

V-Tech™

Product Code	Dia(mm)	Height (mm)	Length(mm)	Adaptor
V-CQCB	5-150	10	64/76/90	M14 5/8"-11



Ideal for angle grinders and hand held drill machines.

5-14 mm drill bits have cooling wax inside.

*Extremely Long Life:
12 mm Ceramic, up to 80 holes
12 mm Porcelain, up to 30 holes*

Accessories

SDS-M14 Adaptor
HEX-M14 Adaptor



Mini Drill Guide, fit size 4-12 mm



Universal Drill Guide, fit size: 5-80 mm



Tool Kits

Various of Packing Solutions with Guide, Water supplement, Adaptors



Multi-Purpose Grinder

NEW



V-Tech™

V-BHGW-QBDA

Product Code	Diameter (mm)	Height(mm)	Arbor(mm)
V-BHGW115-QBDA	115	2.4	22.23/M14/5/8"-11
V-BHGW125-QBDA	125	2.4	22.23/M14/5/8"-11
V-BHGW180-QBDA	180	2.8	22.23/M14/5/8"-11
V-BHGW230-QBDA	230	3.0	22.23/M14/5/8"-11

V-Tech™ grinders designed for grinding Metal, Granite, Marble, Tiles.
Aggressive and high grinding speed.

V-Tech™

V-BHGW

Product Code	Diameter (mm)	Height(mm)	Arbor(mm)
V-BHGW105	105	2	15
V-BHGW115	115	2	20
V-BHGW125	125	2	25
V-BHGW150	150	2	40
V-BHGW180	180	2	35

V-Tech™ grinders designed for grinding Metal, Granite, Marble, Tiles.
Aggressive and high grinding speed.



V-Tech™

V-DFGW

Product Code	Diameter (mm)	Width(mm)	Arbor(mm)
V-DFGW115-GWA	115	20	22.2 m14 5/8"-11
V-DFGW125-GWA	125	20	22.2 m14 5/8"-11
V-DFGW180-GWA	180	20	22.2 m14 5/8"-11



Stone Profiling

V-Tech™

1/2 Bullnose

Product Code	Height(mm)			Shape	Radius(mm)		Adaptor	
V-MTR5	12	15	20	30	B	5	M14	5/8" - 11
V-MTR10	12	15	20	30	B	10	M14	5/8" - 11
V-MTR15	12	15	20	30	B	15	M14	5/8" - 11
V-MTR20	12	15	20	30	B	20	M14	5/8" - 11
V-MTR25	12	15	20	30	B	25	M14	5/8" - 11
V-MTR30	12	15	20	30	B	35	M14	5/8" - 11



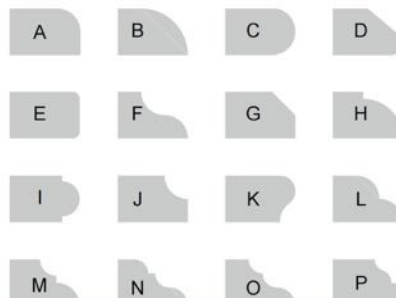
*Premium Quality V-Tech Router Bits for Hand-held Machines.
Various of Shapes and Heights for choice.
Ideal for profiling Granite, Marble, Engineered Stones.
Wet Using Only.*

Full Bullnose

Part No.	Shape	Height(mm)		Radius(mm)	Adaptor	
V-MT10	C	20	30	10 mm	M14	5/8" - 11
V-MT15	C	20	30	15 mm	M14	5/8" - 11



Common Profile Types



Finger Bits



V-Tech™

Product Code	Diameter (mm)	Length(mm)	Adaptor
VB-DW45	45	35, 50	M14-1/2GAS
VB-DW52	52		
VB-DW76	76		
VB-DW102	102		

Features:

1. Central water feeding
2. High grinding capacity and efficiency
3. No vibration or wobbling

Application:

Granite, Marble, Engineered stone

V-Tech™

CNC Finger bits

Product Code	Diameter (mm)	Length(mm)	Adaptor
VB-FB20	20	35, 50	M14-1/2GAS
VB-FB25	25		

Features:

1. High efficiency and long working life
2. No bouncing or wobbling
3. No deformation in processing

Application:

Granite, Marble, Engineered stone



Finger Bits



JMH

Product Code	D1 (mm)	D2(mm)	L1(mm)	L2(mm)
JMH6070	7	6	10	80
JMH6080	8	6	10	80
JMH6090	9	6	10	80
JMH100	10	6	10	80
JMH120	12	6	10	80
JMH140	14	6	10	80



V-PW

Product Code	Diameter (mm)	Length(mm)	Adaptor
V-PW200	200	10/20	15/30
V-PW250	250	20/40	25/50
V-PW300	300	30/60	35/70
V-PW350	350	40/80	50/100

V-Tech™ Profiling Wheels for Granite and Marble.

1/2 round and 1/4 round edge are available.

Diamond Core Bits

THE GLOBAL CUTTER'S WAY



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Laser Welded Core Bits

Reinforced Concrete

A comfortable solution for all professional drillers.



PDA^{PRO} guarantees the consistent fast and durable coring to maximize the outcome of work.

Laser Welded Core Bits for Professional Concrete Coring.

Recommended for the professional coring with sufficient water coolant.



Advantages:

- High Welding Strength;
- Fast Speed Guaranteed in rebars.
- Run out Control, no wobbling;



PDA^{PRO}

LWFCB-PDA

Product Code	Dia. (mm)	Segments type	Height (mm)	Useful length (mm)	Connection
LWFCB52-TP-PDA	52	REGULAR TURBO ROOF	10	300/350/400/450	1-1/4" UNC(F), CRI28 PIXIE
LWFCB56-TP-PDA	56				
LWFCB62-TP-PDA	62				
LWFCB65-TP-PDA	65				
LWFCB68-TP-PDA	68				
LWFCB70-TP-PDA	72				
LWFCB72-TP-PDA	72				
LWFCB76-TP-PDA	76				
LWFCB82-TP-PDA	82				
LWFCB88-TP-PDA	88				
LWFCB92-TP-PDA	92				
LWFCB102-TP-PDA	102				
LWFCB101-TP-PDA	108				
LWFCB112-TP-PDA	112				
LWFCB114-TP-PDA	114				
LWFCB122-TP-PDA	122				
LWFCB127-TP-PDA	127				
LWFCB132-TP-PDA	132				
LWFCB142-TP-PDA	142				
LWFCB152-TP-PDA	152				
LWFCB162-TP-PDA	162				
LWFCB172-TP-PDA	172				
LWFCB178-TP-PDA	178				
LWFCB182-TP-PDA	182				
LWFCB200-TP-PDA	200				
LWFCB210-TP-PDA	210				
LWFCB230-TP-PDA	230				
LWFCB250-TP-PDA	250				
LWFCB276-TP-PDA	276				
LWFCB300-TP-PDA	300				
LWFCB200-TP-PDA	200				
LWFCB210-TP-PDA	210				



Laser Welded Core Bits

Reinforced Concrete



Titan 723™

Brand-new Twisted-Roof Top segments design delivers the maximum performance of core bits.

Recommended for the professional coring with sufficient water coolant.

LWFCB-MST

Product Code	Dia.(mm)	Segments type	Height (mm)	Useful length (mm)	Connection
LWFCB52-MST	52	TWSITED ROOF TOP, TURBO SIDE	12	400/450/500	1-1/4" UNC(F), CRI28 PIXIE
LWFCB62-MST	62				
LWFCB68-MST	68				
LWFCB78-MST	78				
LWFCB82-MST	82				
LWFCB92-MST	92				
LWFCB102-MST	102				
LWFCB108-MST	108				
LWFCB112-MST	112				
LWFCB117-MST	117				
LWFCB122-MST	122				
LWFCB127-MST	127				
LWFCB132-MST	132				
LWFCB142-MST	142				
LWFCB152-MST	152				
LWFCB162-MST	162				
LWFCB172-MST	172				
LWFCB182-MST	182				
LWFCB200-MST	200				
LWFCB210-MST	210				
LWFCB230-MST	230				
LWFCB250-MST	250				



NEW



Brand-new segments design delivers the maximum performance of core bits.

Recommended for the professional coring with sufficient water coolant.

HFFCB-ETP

Product Code	Dia. (mm)	Segments type	Height (mm)	Useful length (mm)	Connection
HFFCB68-ETP	68	TWSITED ROOF TOP, TURBO SIDE	12	400/450/500	1-1/4" UNC(F), CRI28 PIXIE
HFFCB78-ETP	78				
HFFCB92-ETP	92				
HFFCB102-ETP	102				
HFFCB112-ETP	112				
HFFCB122-ETP	122				
HFFCB127-ETP	127				
HFFCB152-ETP	152				
HFFCB162-ETP	162				
HFFCB182-ETP	182				
HFFCB200-ETP	200				

Laser Welded Core Bits

Reinforced Concrete

LWMCB

Product Code	Dia. (mm)	Segment type	Height (mm)	Barrel Thickness (mm)	Useful length (mm)	Connection
LWMCB10	10	CROWN	10	1.5	300/350	1/2" BSP
LWMCB12	12		10	1.5	300/350	1/2" BSP
LWMCB14	14		10	1.5	300/350/400	1/2" BSP
LWMCB16	16		10	1.5	300/350/400	1/2" BSP
LWMCB18	18		10	1.5	300/350/400	1/2" BSP
LWMCB20	20		10	1.5	300/350/400	1/2" BSP
LWMCB22	22		10	1.5	300/350/400	1/2" BSP
LWMCB24	24		10	1.5	300/350/400	1/2" BSP
LWMCB26	26		10	1.5	300/350/400	1/2" BSP
LWMCB28	28		10	1.5	300/350/400	1/2" BSP
LWMCB30	30		10	1.5	300/350/400	1/2" BSP
LWMCB32	32		10	1.5	300/350/400	1/2" BSP
LWMCB34	34		10	1.5	300/350/400	1/2" BSP
LWMCB36	36		10	1.5	300/350/400	1/2" BSP
LWMCB38	38		10	1.5	300/350/400	1/2" BSP
LWMCB40	40		10	1.5	300/350/400	1/2" BSP
LWMCB42	42		10	1.5	300/350/400	1/2" BSP
LWMCB44	44		10	1.5	300/350/400	1/2" BSP
LWMCB46	46		10	1.5	300/350/400	1/2" BSP
LWMCB52	52	FLAT	10	1.5	300/400	1/2" BSP
LWMCB56	56		10	1.5	300/400	1/2" BSP
LWMCB62	62		10	1.5	300/400	1/2" BSP
LWMCB68	68		10	1.5	300/400	1/2" BSP
LWMCB70	70		10	1.5	300/400	1/2" BSP
LWMCB72	72		10	1.5	300/400	1/2" BSP
LWMCB76	76		10	1.5	300/400	1/2" BSP
LWMCB82	82		10	1.5	300/400	1/2" BSP
LWMCB86	86		10	1.5	300/400	1/2" BSP
LWMCB92	92		10	1.5	300/400	1/2" BSP
LWMCB96	96		10	1.5	300/400	1/2" BSP
LWMCB102	102		10	1.5	300/400	1/2" BSP
LWMCB112	112		10	1.5	300/400	1/2" BSP
LWMCB132	132		10	1.5	300/400	1/2" BSP
LWMCB152	152		10	1.5	300/400	1/2" BSP

Laser Welded Super Thin Core Bits for Reinforced Concrete coring.

The full range products are recommended for handheld or rig based drills with water cooling

Exceptionally user-friendly thanks to the super lightweight-barrel design.



Laser Welded Core Bits

Reinforced Concrete

Titan 610™

LWBFCB

Product Code	Dia.(mm)	Segments type	Height (mm)	Useful length (mm)	Connection
LWBFCB42	42	REGULAR/TURBO/ ROOF	10	300/350/400/450	1-1/4" UNC(F)
LWBFCB52	52				
LWBFCB62	62				
LWBFCB72	72				
LWBFCB82	82				
LWBFCB92	92				
LWBFCB102	102				
LWBFCB112	112				
LWBFCB122	122				
LWBFCB132	132				
LWBFCB142	142				
LWBFCB152	152				
LWBFCB162	162				
LWBFCB182	182				
LWBFCB200	200				
LWBFCB250	250				

Band-new Laser Welded Core Bits for Dry Drilling Concrete.
Ideal for core drills with percussion, dry coring.

Advantages:

- High Welding Strength;
- Long Life Guaranteed.
- Run-out Control, No Wobbling;



Application Instruction:

Machine Power	Powered by	Diameter	Recommended bond #		Suitable for
			Premium*	Professional**	
2.5KW-3.5KW	Electric,	10-152 mm HH drills	CB420	Titan643(Crown), Titan628	LWMCB series
	Electric,	52-350 mm Rig based	CB440	Titan723, Titan733, PDA-Titan723	LWFCB series
4KW-7.5 KW	Electric, Hydraulic	52-600 mm Rig based	Titan733	Titan618, PDA-Titan618	LWFCB and LWPCB series

*Premium quality products are suitable for the wet coring of concrete with soft, medium hard aggregate and rebars.

**Professional quality level products are suitable for wet coring of cured concrete with flint, quartz granite, gravel, and other hard aggregates and heavily reinforced concrete.

Laser Welded Core Bits

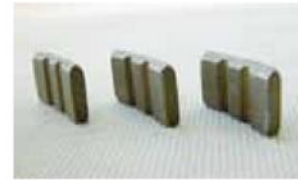
Loose Segments



CB



Crowns



CB-WS



CB-S



CB-PDA



CB-T



MCB-V

Adaptors

HILTI DD100/120/130 - 1/2" BSP(F) & 1-1/4" UNC(M) Adaptor
 1/2" BSP (M) - 1-1/4" UNC (M) Adaptor
 1/2" BSP (F) - 1-1/4" UNC (F) Adaptor
 1/2" BSP (M) - 1/2" BSP (M) Adaptor
 1/2" BSP (F) - 1/2" BSP (F) Adaptor
 1-1/4" UNC (M) - 1-1/4" UNC (F) Extension Bar L300 MM
 1/2" BSP (F) - 1-1/4" UNC (M) Extension Bar L300 MM



Titan⁷¹⁶™

Laser Welded Cores for the Dry Coring of Hard Bricks, Concrete and Lightly Reinforced Concrete, with spiral core barrels as well as soft bond segments.



LWTBDCB

Product Code	Dia.(mm)	Height (mm)	Useful length (mm)	Connection	
LWTBDCB32-AT	32	10	150	R 1/2	M16
LWTBDCB52-AT	52	10	150	R 1/2	M16
LWTBDCB65-AT	65	10	150	R 1/2	M16
LWTBDCB102-AT	102	10	150	R 1/2	M16
LWTBDCB117-AT	117	10	150	R 1/2	M16
LWTBDCB127-AT	127	10	150	R 1/2	M16
LWTBDCB152-AT	152	10	150	R 1/2	M16

Advantages:

- Conical & Spiral core barrel designs
- Arrow turbo segments;
- Laser welded products;



LWCB-WX

Product Code	Dia.(mm)	Height (mm)	Useful length (mm)	Connection	
LWCB68-WX	68	10	65	M14	M16
LWCB82-WX	82	10	65	M14	M16



Laser welded Core Bits

Dry Cores

LWBDCB

Product Code	Dia.(mm)	Height (mm)	Useful length (mm)	Connection	
LWBDCB32-WS	32	10	150	R 1/2	M16
LWBDCB38-WS	38	10	150	R 1/2	M16
LWBDCB42-WS	42	10	150	R 1/2	M16
LWBDCB48-WS	48	10	150	R 1/2	M16
LWBDCB52-WS	52	10	150	R 1/2	M16
LWBDCB65-WS	65	10	150	R 1/2	M16
LWAHCB68-WS	68	10	63	M16	M16
LWBDCB78-WS	78	10	150	R 1/2	M16
LWAHCB82-WS	82	10	63	M16	M16
LWBDCB92-WS	92	10	150	R 1/2	M16
LWBDCB102-WS	102	10	150	R 1/2	M16
LWBDCB112-WS	112	10	150	R 1/2	M16
LWBDCB117-WS	117	10	150	R 1/2	M16
LWBDCB127-WS	127	10	150	R 1/2	M16
LWBDCB152-WS	152	10	150	R 1/2	M16
LWBDCB158-WS	158	10	150	R 1/2	M16
LWBDCB162-WS	162	10	150	R 1/2	M16
LWBDCB178-WS	178	10	150	R 1/2	M16
LWBDCB182-WS	182	10	150	R 1/2	M16

Laser Welded Dry Cores for Hard Bricks and Concrete Blocks.



LWDCB

Product Code	Dia.(mm)	Height (mm)	Useful length (mm)	Connection	
LWDCB32	32	8	150	R 1/2	M16
LWDCB38	38	8	150	R 1/2	M16
LWDCB42	42	8	150	R 1/2	M16
LWDCB48	48	8	150	R 1/2	M16
LWDCB52	52	8	150	R 1/2	M16
LWDCB65	65	8	150	R 1/2	M16
LWDCB78	78	8	150	R 1/2	M16
LWDCB92	92	8	150	R 1/2	M16
LWDCB102	102	8	150	R 1/2	M16
LWDCB117	117	8	150	R 1/2	M16
LWDCB127	127	8	150	R 1/2	M16
LWDCB152	152	8	150	R 1/2	M16
LWDCB158	158	8	150	R 1/2	M16
LWDCB162	162	8	150	R 1/2	M16
LWDCB178	178	8	150	R 1/2	M16
LWDCB182	182	10	150	R 1/2	M16
LWDCB202	202	10	150	R 1/2	M16

Laser Welded Dry Cores for Hard Bricks and Concrete Blocks.



Kits

Product Code	Cores	Acces
KITS2	107, 152 mm	upon order
KITS3	42, 52, 117 mm	upon order
KITS5	38, 52, 65, 117, 127 mm	upon order
KITS5	42, 52, 65, 117, 127, mm	upon order



Adaptors

SDS-R1/2 (M)-115 Adaptor
SDS-R1/2 (M)-250 Adaptor
SDS-M16 (M)-220 Adaptor
SDS-M14 (M) Adaptor
SDS-5/8"-11 (M)-115 Adaptor
HEX -R1/2 (M)-90 Adaptor
HEX -M16 (M)-90 Adaptor
HEX -M16 (M)-220 Adaptor
HEX -R1/2 (M)-250 Adaptor
HEX-M14 (M)
R1/2 (M)-R1/2(M) Adaptor
EXTENSION BAR R1/2(F)-R1/2(M) 200 MM
EXTENSION BAR R1/2(F)-R1/2(M) 150 MM
PILOT DRILL 10*200 MM
PILOT DRILL 13*350 MM
PILOT DRILL 10*400 MM
GUID ROD 12* 200 MM
DRIFT KEY 8*70 MM



Stone Core Bits

Wet Cores

LWCDCB-VP

Product Code	Dia.(mm)	Height (mm)	Useful length (mm)	Connection
LWCDCB25-2VP	25	10	68	M14, 5/8"-11
LWCDCB32-2VP	32			
LWCDCB35-4VP	35			
LWCDCB38-4VP	38			
LWCDCB40-4VP	40			
LWCDCB50-4VP	50			

Ideal for Granite, Basalt, Engineered stones.
Brazed side protection in core to reduce friction
Fast speed and long life.



DLCB-T

Product Code	Dia.(mm)	Height (mm)	Useful length (mm)	Connection
DLCB-T25	25	10	36	1/2GAS-M14
DLCB-T32	32			
DLCB-T35	35			
DLCB-T38	38			

Ideal for UCS Porcelains, Porcelain tiles, Ceramic Tiles, Marble.
Recommended for CNC machines.
Very fast coring speed with no chipping.



DLCB-A

Product Code	Dia.(mm)	Height (mm)	Useful length (mm)	Connection
DLCB-A25	25	10	36	1/2GAS-M14
DLCB-A32	32			
DLCB-A35	35			
DLCB-A38	38			



V-Tech™

V-QCB

Product Code	Diameter (mm)	Height(mm)	Length (mm)	Adaptor	
V-QCB22	22	10	90	M14	5/8"-11
V-QCB25	25	10	90	M14	5/8"-11
V-QCB32	32	10	90	M14	5/8"-11
V-QCB35	35	10	90	M14	5/8"-11
V-QCB38	38	10	90	M14	5/8"-11
V-QCB45	45	10	90	M14	5/8"-11
V-QCB52	52	10	90	M14	5/8"-11
V-QCB55	55	10	90	M14	5/8"-11
V-QCB65	65	10	90	M14	5/8"-11
V-QCB78	78	10	90	M14	5/8"-11
V-QCB92	92	10	90	M14	5/8"-11
V-QCB102	102	10	90	M14	5/8"-11

Grinding Products

THE GLOBAL CUTTER'S WAY



WWW.ALZR.COM
INFO@ALZR.COM

Floor Preparation

What is Floor Preparation?

Floor preparation is the process of preparing the existing flooring to receive new flooring and ensure that your new flooring will look great, lay flat, stay bonded, and not fail. Standard floor prep is taken to mean cleaning the concrete surface before laying the new flooring material. Cleaning the concrete surface would include the removal of any contaminants, adhesives, dust, debris, or curing compounds.

What is TMEP^{Floor} ?

The trademark of Gang Yan's package of diamond products for floor preparation including coating removal, coarse-grinding, fine-grinding and surface polishing. With more than 15- years-experience of researching and developing in floor preparation industry, TMEP^{Floor} is becoming the most reliable and efficient products for floor preparation.



TM
EP^{Floor}

Typical Floor Grinding Machines



Floor Preparation

Grinding Shoes



Coating Removal

Product Code	Segments No	Segments Type
EPGL-PCD	2	PDC
EPDQL-PCD	2	PDC
EP-EC-PCD	2	PDC
EP-EC-PCDT6	2	PDC
SPEPA50-PCD2	2	PDC
SPEPA50-PCDT6	2	PDC

Soft Concrete

Product Code	Height (mm)	Segments No	Segments Type
EP-G	10	2, 1	Straight
EP-EC	10	2, 1	Straight
EP-EC-GSTZ	10	2, 1	Hexagonal
EP-ECL-AV	10	2	Arrow
SPEPA50-GSTZ	10	2, 1	Hexagonal
SPEPA50-GSY	10	2, 1	Round
SPEPA50-AV	10	2	Arrow
Diamond Mesh Size			
20	30	60	100

Soft concrete, Moh's scratch test 2-3
Extra hard bond CM90 series, very durable



Medium Hard Concrete

Product Code	Height (mm)	Segments No	Segments Type
EP-G	10	2, 1	straight
EP-EC	10	2, 1	straight
EP-EC-GSTZ	10	2, 1	hexagonal
EP-ECL-AV	10	2	Arrow
SPEPA50-GSTZ	10	2, 1	hexagonal
SPEPA50-GSY	10	2, 1	Round
SPEPA50-AV	10	2	Arrow
Diamond Mesh Size			
20	30	60	100

Medium concrete Moh's scratch test 3-5
Medium hard bond CM50



Application Instruction:

Bond Hardness	hard	medium	soft	PCD
Grit Size		# 20 # 30 # 60 # 100		
Application	Soft Concrete	Medium Hard Concrete	Hard Concrete	Coating Removal

Floor Preparation

Grinding Shoes

Hard Concrete

Product Code	Height (mm)	Segments No	Segments Type
EP-G	10	2, 1	straight
EP-EC	10	2, 1	straight
EP-EC-GSTZ	10	2, 1	hexagonal
EP-ECL-AV	10	2	Arrow
SPEPA50-GSTZ	10	2, 1	hexagonal
SPEPA50-GSY	10	2, 1	Round
SPEPA50-AV	10	2	Arrow
Diamond Mesh Size			
20	30	60	100

Hard concrete Moh's scratch test 5-7

Medium soft bond CM30, suitable for most applications



Extremely Hard Concrete

Product Code	Height (mm)	Segments No	Segments Type
EP-G	10	2, 1	straight
EP-EC	10	2, 1	straight
EP-EC-GSTZ	10	2, 1	hexagonal
EP-ECL-AV	10	2	Arrow
SPEPA50-GSTZ	10	2, 1	hexagonal
SPEPA50-GSY	10	2, 1	Round
SPEPA50-AV	10	2	Arrow
Diamond Mesh Size			
20	30	60	100

Extremely hard concrete Moh's scratch test 7-9

Soft bond CM15



Application Instruction:

Bond Hardness	hard	medium	soft	PCD
Grit Size		# 20 # 30 # 60 # 100		
Application	Soft Concrete	Medium Hard Concrete	Hard Concrete	Coating Removal

Floor Preparation

Grinding Plates

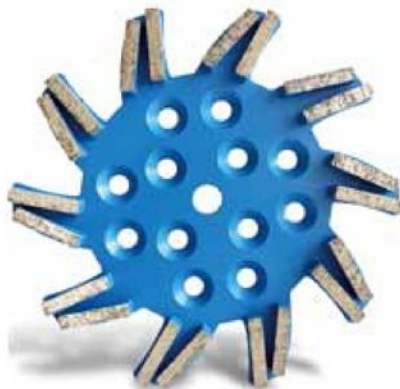


Product Code	Dia.(mm)	Height (mm)	Segments No
FGW-B-250	250	10	5, 10, 16, 20
FGW-B-250-AV	250	10	20

Advantages:

- Dynamic Balance Tested
- Multiple Bond Hardness Options
- High Grinding Efficiency

Product Code	Dia.(mm)	Height (mm)	Segments No
LPFG250	250	10	12



Product Code	Dia.(mm)	Height (mm)	Segments No
RHFG250	250	12	10, 20
RHFG250-AV	250	10	15
RHFG300	300	12	20

Application Instruction:

Bond Hardness	hard	medium	soft	PCD
Grit Size	# 20 # 30 # 60 # 100			
Application	Soft Concrete	Medium Hard Concrete	Hard Concrete	Coating Removal

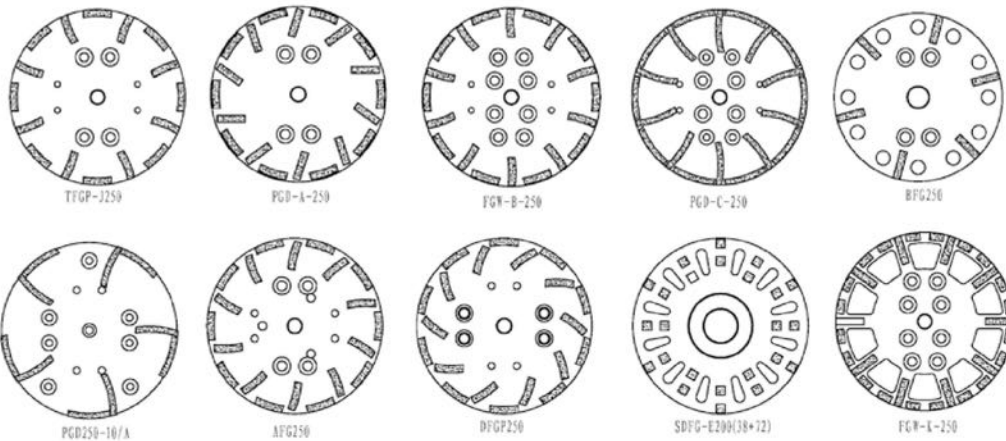
Floor Preparation

Grinding Plates

Product Code	Dia.(mm)	Height (mm)	Segments No
DQFG250-PCD	250	3.5	12



Various Designs



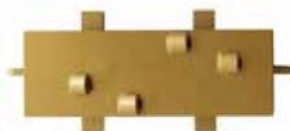
PDT74-AV



WGB90



WGBT95



MT9-PCD

Product Code	Height (mm)	Segments No
WGB90	10	4
WGBT95	10	6
PDT74-AV	10	5, 3, 2
MT9	10	4
MT9-PCD	10	4



MT9

Application Instruction:

Bond Hardness	hard	medium	soft	PCD
Grit Size		# 20 # 30 # 60 # 100		
Application	Soft Concrete	Medium Hard Concrete	Hard Concrete	Coating Removal

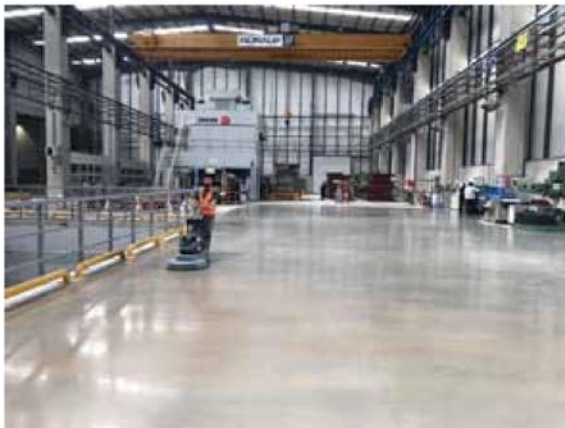
Floor Preparation

Floor Renovating Pads



Part No.	Dia.(mm)	Thickness(mm)	Grit								
RPM-1-80	80	9	50	100	200	400	800	1500	3000	Buff	
RPM-1-100	100	9	50	100	200	400	800	1500	3000	Buff	
RPM-2-80	80	6	50	100	200	400	800	1500	3000	Buff	
RPM-2-100	100	6	50	100	200	400	800	1500	3000	Buff	
RP-3-80	80	8	50	100	200	400	800	1500	3000	Buff	

Resin bond pads for granite and marble polishing and renovating, extra thick design provides very long working life.



Floor Preparation

Flex Pads

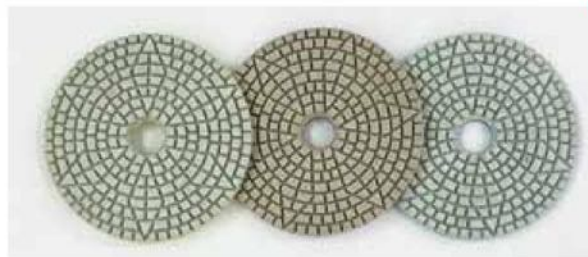
Flex Pads for Dry or Wet Polishing all Kinds of Stones, Concrete.

A Full Range of Diamond Grit Sizes for Choice.

Dry Use

Resin Pads Dry Flex Pads. 3-Step Polishing

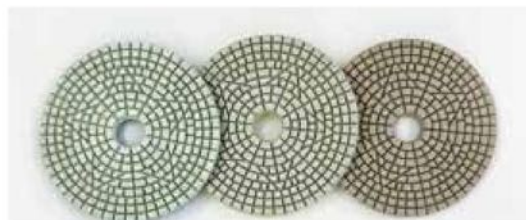
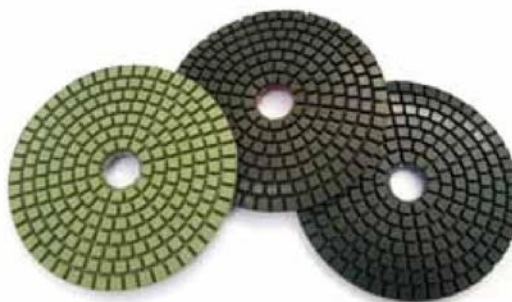
Granite, Marble, Artificial Stone
Ideal for both dry and wet polishing,



Wet Use

Wet Flex Pads 3-Step Polishing

Granite, Marble, Artificial Stone
Economic Solution.
For wet polishing only.



Part No.	Dia.(mm)	Thickness(mm)	Grit							
PD105	105	1.3	50	100	200	400	800	1500	3000	Buff
PD125	125	1.3	50	100	200	400	800	1500	3000	Buff
PW105	105	2.5	50	100	200	400	800	1500	3000	Buff
PW125	125	2.5	50	100	200	400	800	1500	3000	Buff

Cup Wheels



SGP

Product Code	Dia.(mm)	Height(mm)		Bore		
SGP-1-100	100	5	8	22.2	m14	5/8"-11
SGP-1-115	115	5	8	22.2	m14	5/8"-11
SGP-1-125	125	5	8	22.2	m14	5/8"-11
SGP-1-180	180	5	8	22.2	m14	5/8"-11
SGP-1-230	230	5		22.2	m14	5/8"-11
SGP-2-100	100	5	8	22.2	m14	5/8"-11
SGP-2-115	115	5	8	22.2	m14	5/8"-11
SGP-2-125	125	5	8	22.2	m14	5/8"-11
SGP-2-180	180	5	8	22.2	m14	5/8"-11
SGP-2-230	230	5		22.2	m14	5/8"-11



TSGP

Product Code	Dia.(mm)	Height(mm)	Seg. No.	Bore		
TSGP100	100	5	9, 18	22.2	m14	5/8"-11
TSGP115	115	5	9, 18	22.2	m14	5/8"-11
TSGP125	125	5	9, 18	22.2	m14	5/8"-11
TSGP150	150	5	10, 20	19		
TSGP180	180	5	12, 24	22.2	m14	5/8"-11
TSGP230	230	5	16, 32	22.2	m14	5/8"-11



Diamond cup wheels in various designs of single row, double row, turbo, spiral and arrow types for the dry grinding of concrete, stones and hard materials.

TGP150 is for Hilti grinding machine.

Cup Wheels

TGP

Product Code	Dia.(mm)	Height(mm)	Bore		
TGP100	100	5	22.2	m14	5/8"-11
TGP115	115	5	22.2	m14	5/8"-11
TGP125	125	5	22.2	m14	5/8"-11
TGP150	150	5	19		
TGP180	180	5	22.2	m14	5/8"-11

Diamond cup wheels in various designs of single row, double row, turbo, spiral and arrow types for the dry grinding of concrete, stones and hard materials.



TSGR

Product Code	Dia.(mm)	Height(mm)	Bore		
TSGR100	100	5	22.2	m14	5/8"-11
TSGR115	115	5	22.2	m14	5/8"-11
TSGR125	125	5	22.2	m14	5/8"-11
TSGR130	130	5	19		
TSGR180	180	5	22.2	m14	5/8"-11



TW

Product Code	Dia.(mm)	Height(mm)	Bore		
TW100-GCA2	100	6	22.2	m14	5/8"-11
TW125-GCA2	125	6	22.2	m14	5/8"-11
TW150-GCA2	150	6	22.2/19	m14	5/8"-11
TW180-GCA2	180	6	22.2	m14	5/8"-11



Cup Wheels

TSGP

Product Code	Dia.(mm)	Height(mm)	Bore		
TSGP100-AV	100	10	22.2	m14	5/8"-11
TSGP115-AV	115	10	22.2	m14	5/8"-11
TSGP125-AV	125	10	22.2	m14	5/8"-11
TSGP150-AV	150	10	19		
TSGP180-AV	180	10	22.2	m14	5/8"-11



Diamond cup wheels in various designs of single row, double row, turbo, spiral and arrow types for the dry grinding of concrete, stones and hard materials.

FLGP

Product Code	Dia.(mm)	Height(mm)	Bore		
FLGP105	105	5	22.2	m14	5/8"-11
FLGP115	115	5	22.2	m14	5/8"-11
FLGP125	125	5	22.2	m14	5/8"-11
FLGP180	180	5	22.2	m14	5/8"-11



CBAGP

Product Code	Dia.(mm)	Height(mm)	Bore		
CBAGP115-S	115	10	22.2	m14	5/8"-11
CBAGP125-S	125	10	22.2	m14	5/8"-11
CBAGP180-S	180	10	22.2	m14	5/8"-11



Cup Wheels

PCD

DRCW

Product Code	Dia.(mm)	Height(mm)	Seg No.	Bore		
DRCW100-PCD	100	1.5	6	22.2	m14	5/8"-11
DRCW125-PCD	125	1.5	4, 6, 12	22.2	m14	5/8"-11
DRCW180-PCD	180	1.5	6, 8, 12, 24	22.2	m14	5/8"-11

Latest products with PCD impregnated segments, for the fast removal of all kinds of coatings.



PCD

TRGP

Product Code	Dia.(mm)	Height(mm)	Seg No.	Bore		
TRGP115--PCDT3	115	5	22.2	m14	5/8"-11	
TRGP125--PCDT3	125	5	22.2	m14	5/8"-11	
TRGP180--PCDT3	180	5	22.2	m14	5/8"-11	

Latest products with PCD impregnated segments, for the fast removal of all kinds of coatings.



PCD

DQGW

Product Code	Dia.(mm)	Height(mm)	Seg No.	Bore		
DQGW-A125-PCD4	125	8	4	22.2		
DQGW-A125-PCD6	125	8	6	22.2		
DQGW-A150-PCD6	150	8	6	19		
DQGW-A180-PCD6	180	8	6	22.2		

Latest products with PCD impregnated segments, for the fast removal of all kinds of coatings.
Long Life.



PCD, polycrystalline diamonds, consists of micron-sized synthetic diamond powders bonded together by sintering at high pressures and temperatures.

PDC, a new functional composite made of polycrystalline diamonds (PCD) and tungsten carbide substrates through super high temperature pressing technology, features high hardness, good wear resistance and thermal conductivity. PDC has become the ideal materials for blades, drills and grinding tools.

Diamond Wire

THE GLOBAL CUTTER'S WAY



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Diamond Wire

Professionally designed diamond wire for heavy applications in construction.



DWC			
Product Code	bead diameter	bead length	beads/M
DWC105	10.5mm	12mm	40
DWC110	11.0mm	12mm	40

Description:

High performance diamond wire for block cutting.

Applications:

Granite, marble, sandstone.

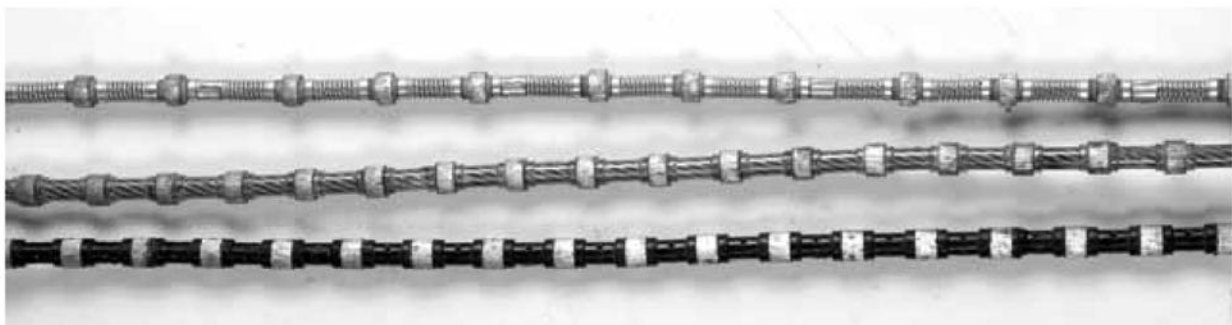
Connection:

Rubber, plastic, spring.

Diameter available:

8.5mm, 10.5mm, 11.5mm

Number of beads/m: 33,37,40.



Application Chart of GY bond to

	GY Bond	Heavily reinforced concrete	Normal concrete	Concrete with abrasive materials	Soft materials
Bond hardness ↓	GYC10	★★★★★	★★★★★	★★★	★★★
	GYC40	★★★	★★★★★	★★★★★	★★★★★
	GYC50	★	★★	★★★★★	★★★★★

General Application Instruction of Dry Cutting Blades

Cutting Material	Gang Yan Products Code																							
	LWD-PDA	LWSL-PDA	LW	LWT-UJT	LWSPD-XVT3	LW-3V	LWSL-FA	LWUKQ	LWTD	ARROW	SWORFISH	SABRE	LWSFUD	LWRS	LWUD-1	LWUD-2	LWUD-3	LWD-1	LWD-2	LWD-3	LWSD-1	LWSFUD-3	LWD-1-PDA	A
	Laser welded												Sintered						Braze				V-Tech	
steel bars, metal pipes																								
engineering blocks																								
concrete over 50Kn																								
clay block paviors																								
clay roof tiles																								
medium facing bricks																								
hard slate																								
flint concrete																								
concrete kerbs																								
concrete slabs																								
concrete lintels																								
marshalls concrete block paviors																								
soft facing bricks																								
marley concrete block paviors																								
concrete block over 25Kn																								
soft slate																								
concrete roof tiles																								
hard sandstone																								
coarse sandstone																								
asphalt over concrete																								
concrete blocks 7-15Kn																								
concrete blocks 3.5-7Kn																								
hard asphalt(with flint aggregates)																								
green concrete																								
screed																								
very abrasive asphalt																								
lignacite blocks																								
abrasive motor																								
fibre cement																								
dense composite panels																								
soft wood board																								
	Very suitable																							
	Suitable with reservation																							
	Occasional use																							
	Not suitable																							

Diamond Blade Speed (RPM) Recommendations

Dia (mm)	M/S					
	40	50	63	80	100	125
105	7630	9540	12000	15200	19000	23800
115	6640	8300	10400	13200	16600	20700
125	6110	7630	9620	12200	15200	19000
150	5090	6360	8020	10100	12700	15900
180	4240	5300	6680	8480	10600	13200
200	3810	4770	6010	7630	9540	11900
230	3320	4150	5230	6640	8300	10300
250	3050	3810	4810	6110	7630	9540
300	2540	3180	4010	5090	6360	7950
350	2180	2720	3430	4360	5450	6820
400	1900	2380	3000	3810	4770	5960
450	1690	2120	2670	3390	4240	5300
500	1520	1900	2400	3050	3810	4770
600	1270	1590	2000	2540	3180	3970

Reach & Innovation



Production Capacity



About us

Quality Control





GRINDING



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ORE BITS



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